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DETAILS OF PATENTS

Patent 1:

1. Title of the Invention : Biotechnological Hair Dye
2. Publication Date : 06/05/2016(40669)
3. Patent Number : 201641015825A
4. Status : Published
5. Journal No : 45/2017
6. Dated : 10/11/2017

Patent 2:

1. Title of the Invention : Biotechnology Hair Shampoo
2. Publication Date : 13/04/2018(13799)
3. Patent Number : 201641034480A
4. Status : Published
5. Journal No : 15/2018
6. Dated : 13/04/2018

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PATENT INFORMATION

Application ID	**201641015825**
Invention Field	PHARMACEUTICALS
Date of Application	2016-05-06
Publication Number	45/2017
Type	Published

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SPECIFICATION

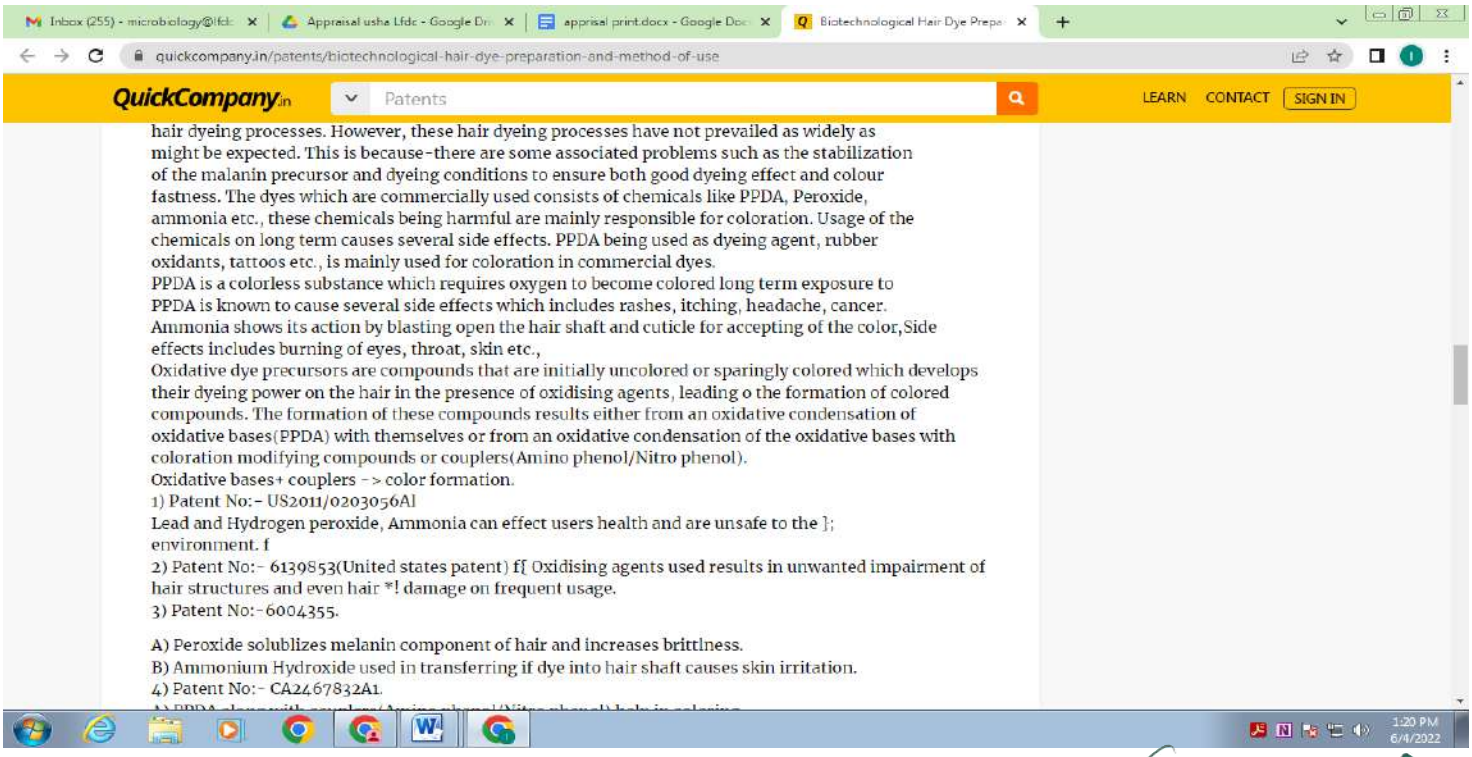
BIOTECHNOLOGICAL HAIR DYE: PREPARATION AND USE

TECHNIQUAL FIELD:-The present invention relates to a biotechnological hair dye and method of its efficient usage.

PRIOR ART:-

Hair greying is a common phenomenon now - a - days may be due to pollution, type of diet, type of life style and stressful life. While hair being seen in persons of age starting from about 25years. In the modern and fashion world many hair dyes are being applied to hide the white hairs and give a young black hair look. All most all of the hair dyes consists of azo dyes/ aromatic amine colorant precursors. These chemicals are toxic and banned to use at higher concentrations. These precursors in the presence of peroxides gels oxidized to give colour to hair. Peroxides are being used for oxidation and high ammonia and its derivatives were used to make colorant to penetrate into the hair. Few dyes which claim to be ammonia free are having acids in it which is also helps in colorant penetration by damaging hair upper layer. Hence we aimed to develop a hair dye preparation with less / no toxicity and more natural nature.

"Heretofore, hair has been conventionally dyed by permanent hair dyeing processes, which are based on the conventional technique comprising the steps of oxidative polymerization of oxidizing azo dye stuffs including mainly p-phenylene diamine by action of hydrogen peroxide in the presence of alkali, and penetrating and fixing the dye stuffs into hair keratin. How ever, these processes involve some danger. That is, p-phenylene diamine type oxidizing dye which is a main component of the type of hair dyes used in these processes has a tendency to cause allergic reaction in the user. In order to obviate the problem of allergic reaction various hair dyeing processes which utilize tyrosine,DL-B-(3,4-dihydroxyphenyl)alanine ("L-dopa") or the like,as a precursor of natural melanin, have been proposed instead of the aforementioned conventional



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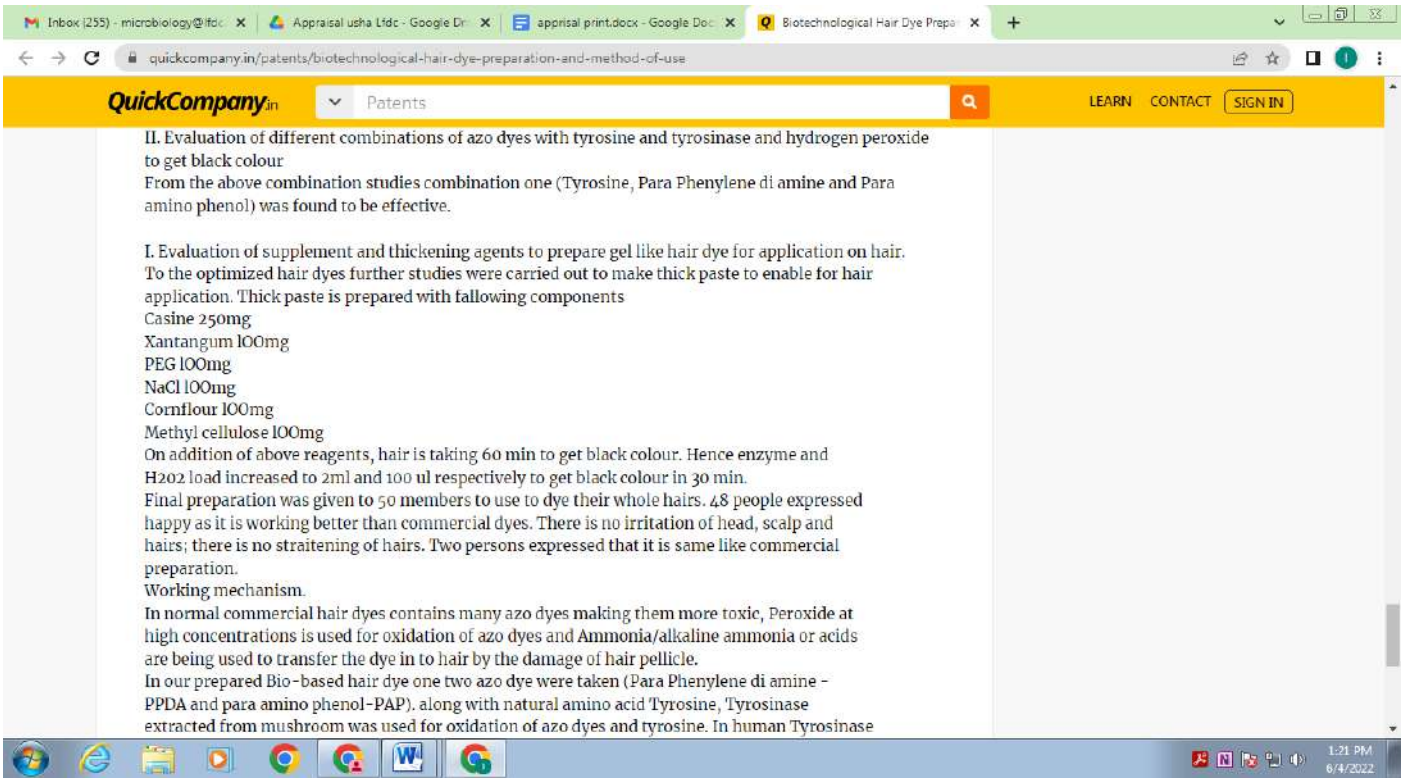

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II. Evaluation of different combinations of azo dyes with tyrosine and tyrosinase and hydrogen peroxide to get black colour
From the above combination studies combination one (Tyrosine, Para Phenylene di amine and Para amino phenol) was found to be effective.

I. Evaluation of supplement and thickening agents to prepare gel like hair dye for application on hair.
To the optimized hair dyes further studies were carried out to make thick paste to enable for hair application. Thick paste is prepared with fallowing components
Casine 250mg
Xantangum 100mg
PEG 100mg
NaCl 100mg
Cornflour 100mg
Methyl cellulose 100mg
On addition of above reagents, hair is taking 60 min to get black colour. Hence enzyme and H202 load increased to 2ml and 100 ul respectively to get black colour in 30 min.
Final preparation was given to 50 members to use to dye their whole hairs. 48 people expressed happy as it is working better than commercial dyes. There is no irritation of head, scalp and hairs; there is no straitening of hairs. Two persons expressed that it is same like commercial preparation.
Working mechanism.
In normal commercial hair dyes contains many azo dyes making them more toxic, Peroxide at high concentrations is used for oxidation of azo dyes and Ammonia/alkaline ammonia or acids are being used to transfer the dye in to hair by the damage of hair pellicle.
In our prepared Bio-based hair dye one two azo dye were taken (Para Phenylene di amine - PPDA and para amino phenol-PAP). along with natural amino acid Tyrosine, Tyrosinase extracted from mushroom was used for oxidation of azo dyes and tyrosine. In human Tyrosinase

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Biotechnological Hair Dye Preparation And Method Of Use

As on 19 March 2022

Information | Specification | Documents

Hair dying is commonly used to cover grey hairs and color for fashion. Current hair dyes contain very toxic and very high concentrations of Azodyes along with peroxides and ammonia or acids. The present invention relates to a biotechnological hair dye consisting of Tyrosinase extracted from mushrooms, Tyrosine amino acid along with very less concentrations of Paraphenylenediamine(P-PDA) , 4-aminophenol(4-AP) and nutritional and thickening substances.

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034480 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BIOTECHNOLOGICAL HAIR SHAMPOO

(51) International classification	:A61K 8/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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2)Ramavath Ramya Krishna
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4)A Chetana
5)G.Kamala.
6)J .Usha Rani
7)Kaveti Sreeram

(57) Abstract :
INVENTION : BIOTECHNOLGGICAL HAIR SHAMPOO ABSTRACT: One of the hygienic practices, is to use shampoos and soaps for hair cleaning, deodouring and reducing micro organisms to avoid the hair diseases Hke dandruff. Commercial shampoos are having detergents, shampoo base, Triclosan, Isopropyl, preservatives, thickening agents arid essence . Many of these chemicals are known for causing allergies to the human tissue and hair. In the current invention we disclose a biotechnological shampoo preparation and its usage for efficient and ecological washing and maintenance of hair. Biotechnological shampoo is prepared with urease, bromelain along with other components. The preparation was efficient in removing dirt and odour without damaging the hair texture.

No. of Pages : 9 No. of Claims : 8

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FORM 2
THE PATENT ACT, 1970
(39 of 1970) &
THE PATENTS RULES, 2003
COMPLETE SPECIFICATION
(*See* section 10 and rule 13)

1	**TITLE OF THE INVENTION BIOTECHNOLOGICAL HAIR DYE PREPARATION AND METHOD OF USES"**	
2	**APPLICANT(S)** (a) Name : Dr Chand Pasha (b) Nationality: Indian (c) Address: H.No: 8-3-169/216/2, HF Nagar, Borabanda, Hyderabad ,Telangana, India, 500018	
3	**PREAMBLE TO THE DESCRIPTION**	
		COMPLETE The following specification particularly describes the invention and the manner in which it is to be performed
4	**DESCRIPTION** (Description shall start from next page) **Enclosed**	
5	**CLAIMS** (not applicable for provisional specification. Claims should start with the preamble --- " I/we claim" on separate page)- **Enclosed**	
6	**DATE AND SIGNATURE** (to be given at the end of last page of specification)	
7	**ABSTRACT OF THE INVENTION** (to be given along with complete specification on separate page) **Enclosed**	

Signatures of Inventors

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06-May-2016/15452/201641015825/Form 2(Title Page)

BIOTECHNOLOGICAL HAIR DYE: PREPARATION AND USE

ABSTRACT:-

Hair dying is commonly used to cover grey hairs and color for fashion. Current hair dyes contain very toxic and very high concentrations of Azodyes along with peroxides and ammonia or acids. The present invention relates to a biotechnological hair dye consisting of Tyrosinase extracted from mushrooms, Tyrosine amino acid along with very less concentrations of Paraphenylenediamine(P-PDA) , 4- aminophenol(4-AP) and nutritional and thickening substances.

TECHNIQUAL FIELD:-

The present invention relates to a biotechnological hair dye and method of its efficient usage.

PRIOR ART:-

Hair greying is a common phenomenon now - a - days may be due to pollution, type of diet, type of life style and stressful life. While hair being seen in persons of age starting from about 25years. In the modern and fashion world many hair dyes are being applied to hide the white hairs and give a young black hair look. All most all of the hair dyes consists of azo dyes/ aromatic amine colorant precursors. These chemicals are toxic and banned to use at higher concentrations. These precursors in the presence of peroxides gels oxidized to give colour to hair. Peroxides are being used for oxidation and high ammonia and its derivatives were used to make colorant to penetrate into the hair. Few dyes which claim to be ammonia free are having acids in it which is also helps in colorant penetration by damaging hair upper layer. Hence we aimed to develop a hair dye preparation with less / no toxicity and more natural nature.

"Heretofore, hair has been conventionally dyed by permanent hair dyeing processes. which are based on the conventional technique comprising the steps of oxidative polymerization of oxidizing azo dye stuffs including mainly p-phenylene diamine by action of hydrogen peroxide in the presence of alkali, and penetrating and fixing the dye stuffs into hair keratin. How ever, these processes involve some danger. That is, p-phenylene diamine type oxidizing dye which is a main component of the type of hair dyes used in these processes has a tendency to cause allergic reaction in the user. In order to obviate the problem of allergic reaction various hair dyeing processes which utilize tyrosine,DL-B-(3,4-dihydroxyphenyl)alanine ("L-dopa") or the like,as a precursor of natural melanin, have been proposed instead of the aforementioned conventional

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hair dyeing processes. However, these hair dyeing processes have not prevailed as widely as might be expected. This is because-there are some associated problems such as the stabilization of the malanin precursor and dyeing conditions to ensure both good dyeing effect and colour fastness. The dyes which are commercially used consists of chemicals like PPDA, Peroxide, ammonia etc., these chemicals being harmful are mainly responsible for coloration. Usage of the chemicals on long term causes several side effects. PPDA being used as dyeing agent, rubber oxidants, tattoos etc., is mainly used for coloration in commercial dyes. PPDA is a colorless substance which requires oxygen to become colored long term exposure to PPDA is known to cause several side effects which includes rashes, itching, headache, cancer.
Ammonia shows its action by blasting open the hair shaft and cuticle for accepting of the color,Side effects includes burning of eyes, throat, skin etc.,
Oxidative dye precursors are compounds that are initially uncolored or sparingly colored which develops their dyeing power on the hair in the presence of oxidising agents, leading o the formation of colored compounds. The formation of these compounds results either from an oxidative condensation of oxidative bases(PPDA) with themselves or from an oxidative condensation of the oxidative bases with coloration modifying compounds or couplers(Amino phenol/Nitro phenol).

Oxidative bases+ couplers → color formation.

1) **Patent No:- US2011/0203056A1**
   Lead and Hydrogen peroxide, Ammonia can effect users health and are unsafe to the environment.
2) **Patent No:- 6139853(United states patent)**
   Oxidising agents used results in unwanted impairment of hair structures and even hair damage on frequent usage.
3) **Patent No:-6004355.**

   A) Peroxide solublizes melanin component of hair and increases brittlness.

   B) Ammonium Hydroxide used in transferring if dye into hair shaft causes skin irritation.

4) **Patent No:- CA2467832A1.**

   A) PPDA along with couplers(Amino phenol/Nitro phenol) help in coloring.

   B) Peroxide in presence of Ammonia unstain roots, hair is damaged as a result of drastic coloring conditions.

   C) Diamines seem to cause allergic reactions.

5) **Patent No:-US3698852A.**

   PPDA is used as fur dying.

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CLAMIS:-

We claim

1) A novel biotechnological hair dye composing substrate for color, oxidizing agent, nutritional supplement and conditioner and thickening agent.

2) As mentioned in claim 1 the efficient substrate for color is amino acid Tyrosin(0.01%-0.2%),Dopamine(0.01%00.1%),Dopachrome(0.01%-0.1%) paraphenlynediamine(0%-0.5%), 4-aminophenol(0%-0.5%).

3) As mentioned in claim 1 efficient oxidizing agent is biotechnological or chemical or both.

4) As mentioned in claim 3 biotechnological oxidizing agent is Tyrosinase extracted from mushroom or potato.

5) As mentioned in claim 3 chemical oxidizing agent low concentration hydrogen peroxide(1%-10%).

6) As mentioned in claim 1 nutritional supplyment/conditioner in hair dye is skimmed milk powder(0.1%-2%), casein(0%-2%), mineral oil.

7) As mentioned in claim 1 thickening agents are carboxy methylcellulose(0.5%-2%), corn starch(0.5%-2%), xanthon gum(0.1%-1%)

8) Hair dye preparation consists of two portions, the first portion consists of substrate(tyrosine),nutritional supplement(skimmed milk powder),Thickening agents (carboxymethyl cellulose,xanthon gum, corn flour),lyophilized Tyrosinase(0-2%) and the second portion consists of chemical oxidizing agent.

9) As mentioned in claim 8 mix only first portion or both the portions with water to make a thick slurry and apply to the hairs and left for coloration for 10-45min) and wash the hairs.

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SUMMARY:-

Problem To Be Solved:-

1) Hair graying is becoming a common phenomenon due to environmental, stress, genetical(Albinism),habitual and life styles.

2) Grey hairs are often colored by using various chemical dyes containing toxic components such as Azodyes,Peroxides and Ammonia or Acids.

3) Azodyes are toxic and mutagenic at higher concentrations which is a principle component of chemical hair dyes.

4) Peroxide being used for oxidation of azodyes is a mutagen and damages the hair fiber keratin.

5) Ammonia or acids which are used to break the external follicle of hair and penetrate the hair dye.

6) Few herbal dyes reported with plant extracts help in hair coloring but they are poor in coloration as they take more time for dying and the effect of dye remains for a short period of time.

Means Of Solving The Problem:-

1) Tyrosinase is a natural enzyme involved in melanin synthesis it is found in mushrooms(white button) which serves as an abundant source for this enzyme.

2) The natural substrate for melanin synthesis-Tyrosine is used for hair dye development.

3) To enchance the reaction of melanogenesis very little concentrations of paraphenylenediamine(P-PDA),4-aminophenol (4-AP), and Hydrogen peroxide are used.

4) For effective application, thicknening agents like xanthon gum, corn flour were used.

5) For nutritional supplement of hair skimmed milk powder,mineral oil were used.

Uses of Invention

Black hair dying is common now a days, but due to its side effects hair and health are worsen. By preparation low concentrated dyes and bio components for oxidation and penetration of dye in to hair safe and healthy hair can be obtained. Elimination Ammonia/ ammoniated compounds and acids will avoid hair damage. Healthy Eco friendly hair dye is prepared.

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DESCRIPTION:):-

1.The current invention is to solve the problem of hair dying by biotechnological means. In one aspect the invention relates to hair dye containing 1) Tyrisonase (0.001-0.1%),2) Tyrosine (0.01% - 2%), 3) PPDA(0%-1.5%),4) 4-AP- (0%-0.1%), 5) skimmed milk powder(0.1%-2%),6)Cornflour-(0%-2%), 7) Xanthon gum(0%-1.5%) 8) Carboxy methyl cellulose (0.1%-2%)

2.In another aspect the present invention also relates to weak oxidizing agents like Hydrogen Peroxide(10%),Barium Peroxide (0.05mg/m3)

3.In another aspect of method of using present hair dye is to mix hair dye and oxidizing agent in the ratio of (10:0.1- 10 :1) then applied to the grey hair for about 10-45min then washed with suitable shampoo and applying conditioners.

4.In another aspect the invention is specific for non-corrosive as Ammonia and acids were not used no hair damage and safe. Cell toxicity studies were conducted on cell lines and biotechnological hair dyes which is ready to be used for hair dying is found to be safe.

Examples

I. Extraction of mushroom tyrosinase:

Button mushroom (*Agaricus bisporus*) collected from reliance fresh and kept in -20 for a day. Mushrooms (1/2 kg) were taken in thermacoal box and 5 litre of liquid nitrogen was poured and the box was closed. One by one mushroom were taken out with liquid nitrogen gloves and crushed in motor and pistol. The powered mushrooms were taken in 0.1M phosphate buffer and centrifuged to remove the debris. To the clear extract, 100µg protease inhibitor suspension was added and preserved at - 20 before use.

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II. Evaluation of different combinations of azo dyes with tyrosine and tyrosinase and hydrogen peroxide to get black colour.

Different azo dyes were taken in different proportions and evaluated for colour development by oxidation with mushroom tyrosinase, low concentration of hydrogen peroxide individually and in combinations.

S.No	combinations	oxidase
1	Tyrosine PPDA PAP	0.5ml tyrosinase 0.1ml H2O2 0.5 ml ty+ 0.1ml H2O2
2	PPDA PAP α- napthol	0.5ml tyrosinase 0.1ml H2O2 0.5 ml ty+ 0.1ml H2O2
3	PPDA PAP MAP	0.5ml tyrosinase 0.1ml H2O2 0.5 ml ty+ 0.1ml H2O2
4	PPDA PA Cresol	0.5ml tyrosinase 0.1ml H2O2 0.5 ml ty+ 0.1ml H2O2

PPDA: Para Phenylene di amine PAP: Para amino phenol, MAP: Meta amino phenol

III. Evaluation of supplement and thickening agents to prepare gel like hair dye for application on hair.

100 mg tyrosine, 50 mg PPDA, 200 mg PAP with 1 ml tyrosinase and 20 µl 10% H2O2 was found to effective in black colouring of hair within 30 mins. To this tried different supplements and thickness to make gel like hair dye.

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Results: I Extraction of mushroom tyrosinase

Enzyme assay was carried out for mushroom extracted tyrosinase using L-DOPA and 60 IU/ ml was found in the extracted enzyme.

II. Evaluation of different combinations of azo dyes with tyrosine and tyrosinase and hydrogen peroxide to get black colour

S.No	combinations	oxidase	Time+ colour	
			30min	60min
1	Tyrosine PPDA PAP	0.5ml tyrosinase	light black	black
		0.1ml H2O2	black	dark black
		0.5 ml ty+ 0.1ml H2O2	black	dark black
2	PPDA PAP α- napthol	0.5ml tyrosinase	white	Brown
		0.1ml H2O2	Brown	Brown
		0.5 ml ty+ 0.1ml H2O2	Brown	Light black
3	PPDA PAP MAP	0.5ml tyrosinase	white	Brown
		0.1ml H2O2	Brown	Brown
		0.5 ml ty+ 0.1ml H2O2	Brown	Light black
4	PPDA PA Cresol	0.5ml tyrosinase	Brown	Brown
		0.1ml H2O2	Brown	Brown
		0.5 ml ty+ 0.1ml H2O2	Brown	Brown

From the above combination studies combination one (Tyrosine, Para Phenylene di amine and Para amino phenol) was found to be effective.

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06-May-2016/15452/2016/41015825/Form 2(Title Page)

I. Evaluation of supplement and thickening agents to prepare gel like hair dye for application on hair.

To the optimized hair dyes further studies were carried out to make thick paste to enable for hair application. Thick paste is prepared with fallowing components

Casine	250mg
Xantan gum	100mg
PEG	100mg
NaCl	100mg
Corn flour	100mg
Methyl cellulose	100mg

On addition of above reagents, hair is taking 60 min to get black colour. Hence enzyme and H2O2 load increased to 2ml and 100 µl respectively to get black colour in 30 min.

Final preparation was given to 50 members to use to dye their whole hairs. 48 people expressed happy as it is working better than commercial dyes. There is no irritation of head, scalp and hairs; there is no straitening of hairs. Two persons expressed that it is same like commercial preparation.

Working mechanism.

In normal commercial hair dyes contains many azo dyes making them more toxic, Peroxide at high concentrations is used for oxidation of azo dyes and Ammonia/alkaline ammonia or acids are being used to transfer the dye in to hair by the damage of hair pellicle.

In our prepared Bio-based hair dye one two azo dye were taken (Para Phenylene di amine - PPDA and para amino phenol-PAP) along with natural amino acid Tyrosine, Tyrosinase extracted from mushroom was used for oxidation of azo dyes and tyrosine. In human Tyrosinase creats melanin black pigment and transfers in to hair follicles. As we are using tyrosinase these is no need of using Ammonia or acids and there will be no hair damage. As it is a bio process it will be slow, hence to speed up along with tyrosinase, safe and little amount of Hydrogen peroxide is added and good black color was achived on hair in 30 minutes.

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DRAWINGS

A B C

Figure 1

Drawing description

Figure explains efficiency of the present invented biotechnological hair dye when compared to existing chemical dye. A)Is a white hair treated with biotechnological hair dye . B) Is a normal white hair before any treatment. C) Is a white hair after chemical dye treatment.

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CONTINUED FROM PART- 1

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(19) INDIA
(22) Date of filing of Application :07/10/2016
(21) Application No.201641034495 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND SYSTEM FOR CALIBRATING IMPAIRMENTS ASSOCIATED WITH CHANNEL STATE INFORMATION AT A RADIO NODE

(51) International classification	:H04W 24/00	(71)**Name of Applicant :** **1)CENTRE OF EXCELLENCE IN WIRELESS TECHNOLOGY** Address of Applicant :CEWIT, 3rd Floor, IITM Research Park, Kanagam Road, Taramani, Chennai -600113, Tamil Nadu, India. Tamil Nadu India **2)INDIAN INSTITUTE OF TECHNOLOGY MADRAS**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	(72)**Name of Inventor :** **1)ABHIJEET MASAL** **2)NAVINNATH PALANISAMY** **3)JENISTON DEVIRAJ KLUTTO MILLETH** **4)BHASKAR RAMAMURTHI**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Embodiments of the present disclosure disclose method and system for calibrating impairments in a channel to exploit channel reciprocity. The method comprises a first radio node, transmitting one or more first reference signals to a second radio node and receiving a calibration signal from the second radio node. The calibration signal is generated by the second radio node after performing one of normalizing the one or more received first reference signals and multiplying the one or more normalized received first reference signals with a second reference signal, multiplying inverse of the one or more normalized received first reference signals with the second reference signal and normalizing the one or more received first reference signals. Also, the method comprises processing the at least one calibration signals to generate a calibration factor and calibrating the impairments in the channel state information using the calibration factor.

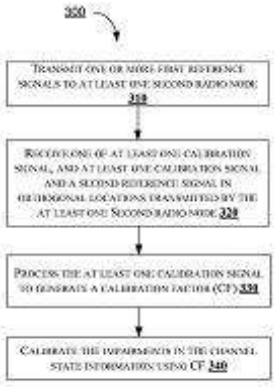

Fig 3

No. of Pages : 39 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034501 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A METHOD OF USER IDENTITY-BASED LTE MAC SCHEDULER FOR PRIORITY AND PREEMPTION

(51) International classification	:H04W 72/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)CHAITANYA UMBARE
3)RAJENDRA BILLURE

(57) Abstract :
ABSTRACT Medium Access Control (MAC) scheduler plays an important role in the assignment of the resource blocks (RBs) for users. Commercial MAC scheduler provides fair scheduling among all users and hence all users within the class gets the same quality of service (QoS). In the case of emergency networks the scheduler has to provide priority and preemption for certain users over other. The scheduler has to schedule high-priority users with minimum signaling and delay. This invention discusses the unique method of identifying users for providing priority and preemption at eNodeB during scheduling without the intervention of core network.

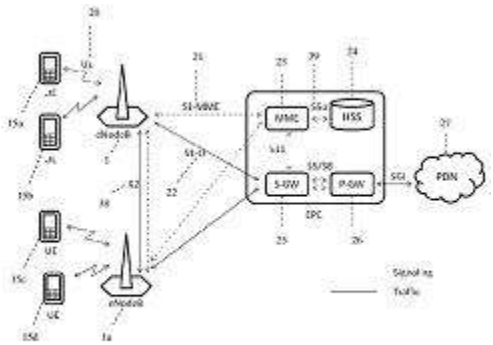

Figure 4

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034512 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A MAGNETIC RESONANCE IMAGING SYSTEM

(51) International classification	:G01R 33/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :Avinashi Road, Peelamedu, Coimbatore. Tamil Nadu India
(72)**Name of Inventor :**
1)Dr. T. Kesavamurthy
2)Dr. K. Thiyagarajan

(57) Abstract :
A magnetic resonance imaging system is provided. The magnetic resonance imaging system includes a stepped impedance structured RF coil (102), a matching network (104), and phased array volumes RF coil (302). The stepped impedance structured RF coil that includes (a) one or more narrow micro strip line sections and (b) one or more wide micro strip line sections. The matching network (104) includes one or more capacitors. The one or more capacitors are electrically configured to reduce energy that is dissipated as heat loss. A capacitor CAD of the matching network is electrically configured to avoid an input reactance of the stepped impedance structured RF coil (102). The phased array volume RF coil (302) includes one or more stepped impedance structured RF coils and one or more matching networks. The stepped impedance structured RF coil (102) is electrically connected with the matching network (104).

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034513 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TOGGLE MECHANISM FOR STAIR-CLIMBING WHEELS

(51) International classification	:A61G 5/00	(71)**Name of Applicant :** **1)PSG College of Technology** Address of Applicant :Avinashi Road, Peelamedu, Coimbatore. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)**Name of Inventor :** **1)Dr. S. Udhaya kumar** **2)N. Dhinesh Krishna** **3)S. Abhinandhan**
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
A wheel chair (102) with stair-climbing wheels includes a right side wheel (104A), a left side wheel (104B) is provided. The right side wheel(104A) includes a right side solid wheel (202A), a right side hollow wheel (204A) that are coupled in a solid wheel mode. The left side wheel (104B) includes a left side solid wheel (202B), a left side hollow wheel (204B) that are coupled in the solid wheel mode. The right side solid wheel (202A), the right side hollow wheel (204A) are separated and rotated to align the right side solid wheel (202A) to obtain a right side compound spoke wheel in a stair climbing mode. Similarly, the left side solid wheel (202B) aligned to form a left side compound spoke wheel. The wheel chair (102) climbing stairs when the right side solid wheel (202A) and the left side solid wheel (202B) in the stair climbing mode.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016
(21) Application No.201641034231 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ELECTRONICALLY CONTROLLED DEVICE FOR WINTER MODE ACTIVATION IN AUTOMATIC TRANSMISSION VEHICLES.

(51) International classification	:F16H 61/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)K. K. KUMARESAN
2)SRINIVASAN B.

(57) Abstract :
ABSTRACT An electronically controlled device for winter mode activation in an automatic transmission vehicle, wherein the device comprises: a transmission Gear Shifter (TGS); a transmission Control Unit (TCU); and a tiptronic switch (TS); wherein manual shift-line calibration is performed by using at least three variables stored in a controller for shifting from the automatic mode to manual mode in order to avoid vehicle slippage on ice or snow laden surfaces. The first, second and third variables being an auto down shift speed, a vehicle speed offset and an allowable vehicle speed limit and the automatic downshift is executed on the vehicle speed exceeding the sum of the auto down shift speed and the vehicle speed offset. A method for winter mode activation by switching on and starting the engine; putting in manual mode; pressing the upshift switch; launching in 2nd or higher gear to downshift the vehicle into lower gear, when speed exceeds the sum of auto down shift speed and vehicle speed offset. FIGURE 3.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016
(21) Application No.201641034258 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PINK-PIGMENTED FACULTATIVE METHYLOTROPHS (PPFM) BASED AGRICULTURAL COMPOSITIONS

(51) International classification	:A01N 63/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)MURTHY ; KONDRAGUNTA SRI RAMA
2)VENKATARAO; GONUGUNTLA
3)RAJ; MOHAN BOGU

(57) Abstract :
The present invention providesPPFM culture based agricultural compositions comprising PPFM microorganisms comprising 1-100% Microbial culture and medium of a mixture of - Peptone, Beef extract, Glucose, K2HP04, KH2P04 , MgS04, CaCl2 .Glycerol, CarboxyMethyl Cellulose(CMC),Polyvinyl pyrrolidine, Distilled water, and pH ranging between 6.8 - 7.2.Said potent Pink-Pigmented Facultative Methylotrophs (PPFM) bacterial culture based agricultural compositions are directly useful in vegetable cultivation/farming resulting in improved crop yield and long term resistance The preparation of PPFM culture and said PPFM based culture utilized in commercial manufacturing of agricultural Compositions comprising Pink-Pigmented Facultative Methylotrophs (PPFM) bacteria, which culture process technique comprise the steps of-Step-1: Sample collection /Sterilization/Isolation procedure for PPFM bacteria Step-2: Characterization of PPFM Bacteria isolatesMorphological and Biochemical Step-3: Optimization of Cultivation Parameters according to the present invention Step-4: Incubation and Pure Recovery using quadrant streak inoculation methodology Such process resulting in a naturally stabilized composition provides long term stability to the composition.

No. of Pages : 21 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016
(21) Application No.201641034286 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A FREEZER COMPARTMENT OF A SINGLE DOOR REFRIGERATOR

(51) International classification :F25D 23/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MOHAN KILLANI
2)RAMESH MOHAN

(57) Abstract :
The disclosure as disclosed above relates to a freezer compartment 200 in a refrigerator 100. A freezer compartment 200 of a refrigerator 100 comprises a frame 201 attached to the freezer compartment 200, a glass door 202 hinged to the frame 201 in freezer compartment 200 and a resilient lock member 203 attached to the frame 201. The resilient lock member 203 is adapted to lock the glass door 202 to the freezer compartment 200. The disclosure further disclosed the single door refrigerator 100. The single door refrigerator comprises at least one refrigeration compartment 300, at least one internal freezer compartment 200 and a single door 301 hinged to the refrigerator 100 and adapted to cover the refrigeration compartment 300 and the freezer compartment 200. Figure 1

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/10/2016

(21) Application No.201641034553 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SCOOCAR

(51) International classification	:B62D 61/02	(71)**Name of Applicant :** **1)Sharat Chandra Kumarjiguda** Address of Applicant :1-10-68 Flat 301, Divine Abode apartments Ashok Nagar Musheerabad Hyderabad- 500020 Telangana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :** **1)Sharat Chandra Kumarjiguda**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
ScooCar (Two wheeled, Self-balanced Car) ========== A Scooter or Bike (two wheeled) with all the amenities of Car, i.e. to name few features like Self-balancing on two wheels, A/C, Full coverage body with 2 doors, power steering, power windows, Auto gear (Auto Transmission) , Dashboard with sensor indicators. Premise - ScooCar ========== The two wheel self-balancing motor vehicle ScooCar • is designed to meet all safety, comfort, pollution, fuel efficient Bharat IV VI (Euro V, VI) regulations. The vehicle is manufactured with high-quality parts. The self-balancing chassis with minimum 350 to 500 CC engine is to produce two wheeler vehicles with all car comforts including air condition. All the components design and manufacture is done within INDIA (Make in India Concept) factory to ensure high quality and efficiency (company name yet to decide planning to keep Generation Next Manufacturing Ltd. (GML)). The company will set-up right dealer network and it™s after sales service center to ensure customer satisfaction. Mission ======= The mission is to develop, manufacture, and market a compact, efficient and safe two wheel motor vehicle. This unique product will provide the vehicle owner privacy, comfort, safety, less pollution, fuel efficient at affordable price. ScooCar is a self-balanced two wheeler motor vehicle. Field of the Invention and use of Invention ========== a) As the petroleum reserves are going down, most of the leading manufacturers are investing lot of money on R &D to come-up with their concept cars. India being highly/densely populated and developing country; it is a definite need to have eco-friendly, adhere to emission standards, affordable, more fuel efficient, secured, compact(less parking space), and comfortable cars (less waste in cabin space), while overcoming traffic jam, noise and pollution. b) The Future Trend on vehicles are towards eco-friendly, less pollution, more fuel efficient, compact(less parking space), self-driven and connected world/ robotic enabled comfortable cars with minimum 2 persons can commute. c) It is been observed majority of the 4 wheeler or above vehicles has only one person in it (self-driving). The cars emission/ pollution are more comparative to 2 wheelers and the 4 wheeler are less fuel efficient, requires more parking space, create traffic jam etc.; This gave us thought, why four wheel car, why not 2 wheel car (scooter/bike with all amenities like a car!!). This invention relates to two wheeled self-balancing motor vehicle ScooCar • - A Scooter or Bike (two wheeled) with all the amenities of Car. The following sections describes the advantages of the invention to bring out clearly the areas of applicability and preferable use of the invention. Also it substantiate the industrial applicability of the invention in this part. Prior Art and problem to be solved ========== The technology of Self-balancing with reference to ScooCar is new in the field of invention. The adoption of Gyroscope technology for 2 wheeler segment is new, which allows Scooter/Bike to have Car amenities like cabin space, A/c, safety features, Audio, video, navigation system etc.. Objectives of the Invention ========== The principal object of this invention of self-balanced two wheeler motor vehicle (ScooCar) is to manufacture, and market a compact, car amenities, fuel efficient and safe two wheel motor vehicle. The purpose of this ScooCar vehicle is clearly mention mentioned below, with the technical problems associated with the existing 2 wheeler vehicles and the solution for that, bringing out the differences between the claimed invention and the prior art Why ScooCar ========== Why car When you go alone (or with spouse) to office - Why not bike/scooter When you felt you need car When you really want buy a car What comforts are you looking in a car / bike What are the limitations in bike What instances forced that you should go far a car What is the age you want buy bike What people expect in car What is your suggestion(s) to improve current situation on traffic congestion Where you feel car is better than bike OR bike is better than car Who can afford car How to reduce cost of maintenance. When we put these questions to test, the answers is to produce indigenous ScooCar, which is self-balancing, fuel efficient with Car amenities, safe vehicle at affordable price. Having proposed ScooCar • is a need of the of the future we have attached document with Why ScooCar comparison table and with full specifications and illustrative drawings.

No. of Pages : 8 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/10/2016

(21) Application No.201641034578 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MODIFIED TRACTOR ROCKSHAFT ARM

(51) International classification :E02F 3/358
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)Dr.K.N.S.SUMAN
(72)**Name of Inventor :**
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2)Dr.D. RANGA RAJU
3)Dr.K.N.S.SUMAN

(57) Abstract :
The failure of tractor components and their replacement has now become very common in India because of re-cycling, re-sale, and duplication. To over come the problem of failure we propose a design methodology for topological change co-simulating with softwares. In the proposed Design methodology, the designer checks Paxiau Per- Pfaiiue- t by hand calculations, from which refined topological changes of R.S.Arm are formed. We explained several techniques employed in the component for reduction, removal of rib material to change center of gravity and centroid point by using system C for mixed level simulation and faster topological changes. The design process in system C can be compiled and executed with software, TURBO C7.The modified component is developed in proE and analyzed in ANSYS. The topologically changed component with slot 120 x 4.75 x 32.5 mm at the center showed greater effectiveness than the original component.

No. of Pages : 6 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2016

(21) Application No.201641034614 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MODIFIED NASOGASTRIC TUBE

(51) International classification	:A61J 15/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Dr.MANAY ROSHINI SRINIVAS

(57) Abstract :
The present invention discloses a modified nasogastric tube for feeding nutritional solution to patients who are unable to feed on their own. The tube is devoid of fixed external hanging tube from the nostrils thereby eliminating the problems of infection and psychological stigma. The nasogastric tube of the present invention comprises of a hollow flexible internal tube[1], a hollow cylindrical support[2], an aesthetic nose clip[3], a hollow flexible detachable external tube[4] and a storage container[5]. The hollow flexible internal tube[1] of predetermined length has two ends, closed top end and opened bottom end in which number of tiny holes are disposed on circumferential surface at predetermined length above the bottom end of the internal tube[1] for easy discharge of nutritional solution into stomach and the closed top end is closed by means of thin layer with a slit. The hollow cylindrical support[2] of predetermined length is disposed on outer circumferential surface on the top end side of the internal tube. The aesthetic nose clip[3] comprises of O ring with pair of clips in which the O ring is disposed on outer circumferential surface on the top end of the internal tube in front of the hollow cylindrical support The hollow flexible detachable external tube[4] of predetermined length is adapted to be inserted into the top end of the internal tube through the slit during feeding. The storage container[5] is for storing the external tube when feeding is complete.

No. of Pages : 14 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2016
(21) Application No.201641034642 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SLEEVE -SPRING CLAD CORE SYSTEM (SSCS)

(51) International classification	:F16B 2/00	(71)**Name of Applicant :** **1)Mr.Venkata Rangarao** Address of Applicant :SL Structural Consortium 741, Naveen Nagar Colony, Flat No. 7, Banjara Anand Apts, Hyderabad- 500 004 Andhra Pradesh India **2)Mr Badri K Prasad**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72)**Name of Inventor :**
(87) International Publication No	: NA	**1)Mr.Venkata Rangarao**
(61) Patent of Addition to Application Number	:NA	**2)Mr Badri K Prasad**
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Abstract; The present invention relates to a sleeve-spring clad core system (SSCS) to improve lateral confinement of compression system uniformly so as to enable it to withstand both compression and tension. The SSCS comprises a plurality of core rod, a plurality of one-way spring in an embodiment, a plurality of grips, and a plurality of peripheral ties. The system further comprises a plurality of opposing spring in another embodiment. In the opposing spring, one of the springs is wrapped in a clockwise direction and another one in an anticlockwise direction. Both the ends of the core rod are covered with the end grip to hold the assembly firmly and to avoid end slippage of the one-way opposing spring. The multiple core rods wrapped with the spring are connected together with the peripheral ties to form desired cage assembly. The cage assembly can be embedded in the concrete structure/ suitable medium. Further, spring cladded core rods can be housed in sleeve to improve the ductility and impact shock resistance of the structure.

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641034287 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROCESS FOR SYNTHESIS OF PIMAVANSERIN

(51) International classification	:C07D 211/00	(71)**Name of Applicant :** **1)AVRA LABORATORIES PVT. LTD.** Address of Applicant :AVRA House, 7-102/54 Sai Enclave, Habshiguda, Hyderabad 500 007 Telangana, India Telangana India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)RAO, Ramakrishna**
(87) International Publication No	: NA	**2)NANDIPATI, Ramadevi**
(61) Patent of Addition to Application Number	:NA	**3)KAMARAJU, Venkata Purnima**
Filing Date	:NA	**4)KALAM, Bhupathi Reddy**
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Disclosed herein is an improved process for synthesis of N-(4-fluorobenzyl)-N-(1- methylpiperidin-4-yl) -N′-(4-(2-methylpropyloxy)-phenylmethyl)carbamide, Pimavanserin and novel intermediate thereof.

No. of Pages : 17 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016
(21) Application No.201641034294 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SCREW ASSISTED SPARE WHEEL CARRIER

(51) International classification	:B62D 43/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Mr. Karthikeyan P

(57) Abstract :
[0057] SCREW ASSISTED SPARE WHEEL CARRIER [0058] A spare wheel carrier for heavy vehicles is disclosed, wherein the carrier comprises a base bracket 202 mounted on chassis frame of the vehicle, a threaded rod 204 engaged through a vertically oriented threaded hole in the base bracket 202, a spare wheel lifting plate 302 pivotally fixed to lower end of the threaded rod 204 and configured to hold the spare wheel, and a spare wheel holding bracket 252 fixed to the base bracket 202. The spare wheel lifting plate 302 incorporates a detent pin 406 configured to prevent tilting movement of the lifting plate 302 about the pivotal joint with the threaded rod 204 by engaging with a hole 408 in the threaded rod 204. The spare wheel held by the spare wheel lifting plate 302 is raised up to a mounting position by rotation of the threaded rod 204 and lowered down by rotation in opposite direction. (FIG 4)

No. of Pages : 27 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016
(21) Application No.201641034295 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND SYSTEM FOR HANDLING DEDICATED SEMI PERSISTENT RESOURCES IN VEHICLE TO ANYTHING (V2X) COMMUNICATION

(51) International classification	:G06F 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Neha Sharma
2)Fasil Abdul Latheef

(57) Abstract :
ABSTRACT Method and system for managing wireless communication in Vehicle-to-anything (V2X) communication system Embodiments herein provide a method for managing a wireless communication in a V2X communication system. The method includes receiving, by a UE, a first signalling message from a BS. The first signalling message includes an assistance information reporting configuration for a V2X communication over at least one channel. The method includes reporting, by the UE, assistance information associated with at least one resource pattern required for the V2X communication over the at least one channel to the BS based on the assistance information reporting configuration. Further, the method includes receiving, by the UE, a second signalling message from the BS. The second signalling message comprises at least one SPS configuration for the V2X communication over the at least one channel based on the assistance information. Further, the method includes configuring, by the UE, the SPS configuration for the V2X communication over the at least one channel. FIG. 3

No. of Pages : 74 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641034296 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM FOR PREDICTIVE ALERTS FOR COLLISION AVERSION OF AUTOMOBILES WITH HAND THROTTLE CONTROL

(51) International classification	:B60W30/095; B60W40/04
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)M.M.ANJAN CARIAPPA

(57) Abstract :
A device that displays a visual warning at the rear of automobile such as motorcycles, scooters, jet skis, snow mobiles, water scooters and ATVs by sourcing inputs from the driver before the brakes of the automobile is applied, thus warning the drivers of other automobiles following behind of its intent to slow down or stop and thus reduce driver reaction times (to a possible braking situation) in the driver of the vehicle following.

No. of Pages : 8 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641034302 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AN IMPROVED TINE HOLDER FOR POWER HARROW

(51) International classification	:A01B 33/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :No. 861, Annasalai, Chennai - 600002, Tamilnadu, India. Tamil Nadu India
(72)**Name of Inventor :**
1)K.Karthikeyan
2)K.Murugesan
3)S.Anand
4)A Rammohan

(57) Abstract :
The present invention provides an improved tine holder (100) coupled with dust cover (106) for the agricultural implements, especially for power harrows. The said improved tine holder is provided with an adaptable pitch to accommodate various blades/tines with diversified shapes, sizes and with different pitch holes which are poles apart. The dust cover coupled to the said tine holder minimizes the accumulation of dust specks near the oil seal thereby preventing it from getting damages and increasing its service life. The improved tine holder of the present invention is a retrofit. Further the improved tine holder of the present invention enables easy replacement of the blades/tines along with the tine holder with minimal change in the assembly structure at minimum time. (Figure to be published along with abstract: Figure 1)

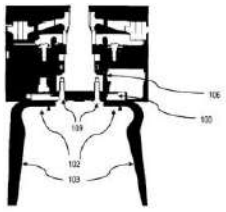

Figure 1

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641034330 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FREE FLOW TRANSIT SYSTEM

(51) International classification	:B66B 21/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BIJU V JHON

(57) Abstract :
ABSTRACT Title: Free Flow The present invention mainly relates to a transporting or conveying system, and more particularly to a high efficiency and low-energy operative free flow type transporting system. A free flow transporting/transit system consists of a lifting mechanism at intermittent distance wherein the succeeding lifting mechanisms are connected by plurality of platforms. Platform holds guide tracks for the free flow of a transit car body on said guide tracks. The car body wheels which move on guide tracks wherein the wheels are controlled and/or stopped by a braking system and actuated by a lifting mechanism through a lever at the bottom back side of the compartment. On actuation of the system, lifting mechanism upraises one end of the platform indeed transit car body to form inclined plane through which car body freely travels to reach other end of the platform. Fig 1 (for publication)

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641034331 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DATA TRANSFER IN A COMMUNICATION SYSTEM

(51) International classification	:H04W 24/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)MIDHA, Rakesh
2)AGARWAL, Shashank
3)Soubhagya Ranjan Nayak
4)Peter Feng Zeng
5)FANG, Bin
6)WAN, Min
7)HUANG, Congrui
8)Guang Yang

(57) Abstract :
A server, user terminal, system, method and computer-program product for performing a data transfer to upload a data file from the user terminal to the server or download a data file from the server to the user terminal, via a connection over a network. The method comprises evaluating a size of the data file to be uploaded or downloaded, determining a measure of a current workload of the server, and estimating a bandwidth of at least part of the connection. A time-out window is derived during which the transfer of the data file is allowed to be performed, wherein the deriving of the time out window is performed based the data file size, server workload and bandwidth. The data transfer is enabled during the time-out window, but timed out when the time-out window expires.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641034352 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A SYSTEM AND METHOD FOR MONITORING AND MANAGING THE MAINTENANCE ACTIVITIES OF THE APPARATUS

(51) International classification	:H04L 29/00	(71)**Name of Applicant :** **1)Sharjeel Ahmed** Address of Applicant :8/1, 5th Cross, Atmananda Colony, RT Nagar Post, Bangalore 560032, India. Karnataka India **2)Zoeb Itarsiwala** **3)Hasan Ali Kanba**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	(72)**Name of Inventor :** **1)Sharjeel Ahmed** **2)Zoeb Itarsiwala** **3)Hasan Ali Kanba**
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
Abstract The present invention relates to a method for monitoring and managing activities of a user who procures information pertaining to the check of an asset or assets at a point local to the asset or assets in a defined premises. In one embodiment, this can be accomplished by providing a login screen and screen for access at the user handheld device. The handheld device validates credential and fetches corresponding setting from the remote server, the setting includes mapping of the user with the location and a plurality of task reports. Further, allowing the user to tap on at least one tag of an asset or at a point local to the asset to generate at least one task report assigned to the corresponding user, checking by the handheld device whether the tag has been assigned to any report and the report has been given permission for the tapped user, and generating at least one report associated with the tag to the user. Figure 4 (for Publication)

No. of Pages : 28 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641034360 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A MOBILE VEHICLE GARAGE ASSEMBLY

(51) International classification	:E04H 6/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)VIT University
Address of Applicant :VIT University, Katpadi, Vellore Tamil Nadu India
(72)**Name of Inventor :**
1)Kshitij Bopalkar
2)Dr. Arun Tom Mathew

(57) Abstract :
A mobile vehicle garage assembly for parking a vehicle in open space is provided. The mobile vehicle garage assembly 100 includes one or more first tubes 102A-N, one or more second tubes 104A-N, a translational assembly 106, and one or more rotational plates 108A-N. The one or more second tubes 104A-N are at least one of (a) extend or (b) retract using a spring mechanism when a user pushes one or more bolts with springs inside the one or more first tubes 102A-N. The translational assembly 106 is vertically attached to the one or more first tubes 102A-N using one or more bolts and bearings. The one or more rotational plates 108A-N are attached with the one or more first tubes 102A-N to secure the vehicle when the vehicle is parked inside the mobile vehicle garage assembly.

No. of Pages : 25 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2016
(21) Application No.201641034645 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A METHOD AND SYSTEM FOR CHARACTER RECOGNITION FOR SEGMENTED DIGITAL DISPLAY

(51) International classification :G06F3/048
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)L&T TECHNOLOGY SERVICES LIMITED
Address of Applicant :DLF IT SEZ Park, 2nd Floor - Block 3, 1/124, Mount Poonamallee Road, Ramapuram, Chennai-600 089, Tamil Nadu, India. Tamil Nadu India
(72)**Name of Inventor :**
1)SATHEESH PILLAI
2)SANTHOSH KUMAR SIRIPRAGADA
3)RAHUL KUMAR
4)ZAIBA NOUSHEEN KHANUM

(57) Abstract :
The invention relates to a method and system for identifying one or more characters displayed on a segmented digital display. The disclosed system and method aligns one or more optical sensors corresponding to each segment of one or more characters of the digital display. Segments of a displayed character are determined based on an interruption in a flow of incident light rays received by one or more optical sensors aligned to each of the segments wherein the incident light rays are being emitted by one or more light sources. The one or more characters are identified after determining the segments of each character.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201641034653 A
(19) INDIA
(22) Date of filing of Application :10/10/2016
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING LOCATION OF RESOURCES IN A PREDEFINED REGION

(51) International classification	:H04W 4/00	(71)**Name of Applicant :** **1)**
(31) Priority Document No	:NA	Address of Applicant :
(32) Priority Date	:NA	**2)Cognizant Technology Solutions India Pvt. Ltd.**
(33) Name of priority country	:NA	(72)**Name of Inventor :**
(86) International Application No	:NA	**1)**
Filing Date	:NA	**2)Ranga S Vangipuram**
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
ABSTRACT; SYSTEM AND METHOD FOR DETERMINING LOCATION OF RESOURCES IN A PREDEFINED REGION A system and computer-implemented method for determining location of one or more resources in a predefined region is provided. The system comprises a receiver, installed on one or more resources, to receive one or more signals, from one or more transmitters placed on predetermined locations in the predefined region and determine and forward a reference point ID corresponding to the one or more transmitters. The system further comprises a microcontroller, residing on the one or more resources, to receive the forwarded reference point ID, retrieve location coordinates corresponding to the determined reference point ID from a central server, fetch values of distance traveled by the one or more resources from an on-board diagnostic device installed on the one or more resources and detect direction in which the one or more resources are moving to determine location of the one or more resources in the predefined region in real-time.

No. of Pages : 51 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2016
(21) Application No.201641034664 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND METHOD FOR SCHEDULING SUPPLEMENTAL DISPLAY OF AUDIENCE TARGETED INFORMATION ON PROJECTION SCREEN

(51) International classification	:G06Q 30/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)INDUKURI SIVA RAMA KRISHNAM RAJU

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a system for scheduling supplemental display of information on projection screen, the system comprising; a scheduling module configured to schedule at least one of a time, and a location for displaying the content on a projection screen, whereby the advertiser is enabled to select the schedule for displaying the content by the scheduling module; and a data store configured to store the scheduled content for transmitting the scheduled content to a display device, whereby the display device is connected to the data store through a network.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2016

(21) Application No.201641034681 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ACID ADDITION SALTS OF -CHLORO-N4-[2-[(1-METHYLETHY1) SULFONY1] PHENYI]-N2-[5-METHYI-2-(1-METHYLETHO

(51) International classification	:A61K31/505; A61K31/506
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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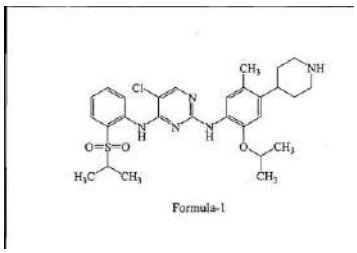
(72)**Name of Inventor :**
1)SRINIVASAN THIRUMALAI RAJAN
2)SAJJA ESWARAIAH
3)GOGULAPATI VENKATA PANAKALA RAO
4)SAGYAM RAJESHWAR REDDY
5)BOGE RAJESHAM
6)THIPPIREDDY PURNA CHANDRASEKHAR REDDY

(57) Abstract :
Abstract The present invention relates to acid addition salts of 5-chloro-N4-[2-[(1-methylethyl) sulfonyl]phenyl]-N2-[5-methyl-2-(1-methylethoxy)-4-(4-piperidinyl)phenyl]-2,4-pyrimidinediamine and process for its preparation thereof compound of formula-1, represented by the following structure:



Formula-1

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2016

(21) Application No.201641034690 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF (R)-3-AMINOBUTANOL

(51) International classification	:C12N1/21; C12N15/70
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)AuroZymes Limited
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(72)**Name of Inventor :**
1)JONATHAN WILLIAM WIFFEN
2)DIPAK KUMAR ROY
3)SUNIL PARTHASARATHY

(57) Abstract :
ABSTRACT The present invention is directed towards a process for the preparation of pure C/)-3-amino-l-butanol (I), wherein, 4-hydroxy-2-butanone (XIII) is protected to produce compound (XIV), which is converted to amine compound (XV). The compound (XV) undergoes biocatalytic resolution using an amino acceptor, co-transaminase or recombinant strain and a co-factor to produce (/)-amine compound (XVI), followed by de-protection to produce (/)-3-amino-l-butanol (I).

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016
(21) Application No.201641034382 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DESIGN OF 360° CLAMP TO ASSIST WELDING OF SMALL FIXTURES ON THE CHASSIS OF AN AUTOMOBILE

(51) International classification	:G06Q 40/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Dr. L. Bhaskara Rao
(72)**Name of Inventor :**
1)Mr. Aditya Rai
2)Dr. L. Bhaskara Rao

(57) Abstract :
ABSTRACT The emergence of automation in the manufacturing industry has gradually subjugated the use of clamps and other holding instruments. The weldings are performed by multi axis robots with high efficiency. This increases both the accuracy and safety for laborers. However, not all industries are able to afford automation which requires a mammoth investment: Small scale industries from where small parts are outsourced by the large scale industries do not have enough budget to acquire robots. These industries either use the conventional C clamp available in the market or the hold the fixture by their hands to weld. Safety is compromised and even more, accuracy is disturbed. This new invention is focused mainly on the small scale industry market who can buy it in bulk and use it enhancing the accuracy as well as the safety.

No. of Pages : 12 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034393 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DEVICE-LEVEL AUTHENTICATION WITH UNIQUE DEVICE IDENTIFIERS

(51) International classification	:G06F 21/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Nadaradjane Ramatchandirane

(57) Abstract :
An embodiment may include transmitting a manufacturer security certificate to a provisioning sewer device, and establishing, with the provisioning server device, a secure connection based on the manufacturer security certificate. The embodiment may also involve transmitting, over the secure connection, device data that characterizes the client device, and receiving, over the secure connection, a server security certificate. The embodiment may further include obtaining a unique client device identifier, where the unique client device identifier is stored in a secure memory element of the client device. The embodiment may additionally include, possibly based on the server security certificate and the unique client device identifier, accessing protected information available to a particular pre-validated server device.

No. of Pages : 46 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034411 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A CELL SPACER

(51) International classification :G02F 1/1339
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ANIRUDDH REDDY
3)ADHITHYA SRINIVASAN

(57) Abstract :
As attached in PDF

No. of Pages : 12 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034413 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AUDIENCE BEHAVIOURAL RATING (AB-RATING)

(51) International classification	:H04H 60/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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2)ARUNKUMAR. R
3)MITHYA.V
4)M.S PRADEEP RAJ
(72)**Name of Inventor :**
1)Dr. B. NAGARAJ
2) ARUNKUMAR. R
3)MITHYA.V
4)M.S PRADEEP RAJ

(57) Abstract :
Audience Behavioral Rating (AB-Rating) Abstract: Today most of us use to visit and enjoy movies, listen classes, celebrate the live music concert and enjoy the debates. For commercial uses and to improve the performance of their upcoming events, these peoples{Spoke.-persons, teachers, musians, directors) are in-need of feedback/ a review from audience. In our current system the review rating is calculated not only with positive/ negative mode but with weighted mode such as user will be askied to rate the movie or TV shows with marks out of 5; Also the users are allowed to change his opinion, whenever he wants but his previous decision was over written. Then weighted vote averages are taken rather than raw data averages. Various filters are applied to the raw data in order to eliminate and reduce attempts at vote stuffing by individuals more interested in changing the current rating of a movie or TV show than giving their true opinion of it. This is the main inspiration for designing the Audience Behavioral Rating (AB-Rating).

No. of Pages : 7 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201641034421 A
(19) INDIA
(22) Date of filing of Application :07/10/2016
(43) Publication Date : 13/04/2018

(54) Title of the invention : SELF ASSESSMENT FUEL METER (SAF-METER)

(51) International classification	:B67D 7/00	(71)**Name of Applicant :** **1)Dr. SABARINATHAN C**
(31) Priority Document No	:NA	Address of Applicant :HoD/ AUTOMOBILE, HINDUSTHAN
(32) Priority Date	:NA	COLLEGE OF ENGINEERING & TECHNOLOGY,
(33) Name of priority country	:NA	OTHAKKALMANDAPAM (POST), POLLACHI MAIN ROAD,
(86) International Application No	:NA	COIMBATORE-641 032, TAMIL NADU, INDIA. Tamil Nadu
Filing Date	:NA	India
(87) International Publication No	: NA	**2)ARUNKUMAR. R**
(61) Patent of Addition to Application Number	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)Dr. SABARINATHAN C**
(62) Divisional to Application Number	:NA	**2)ARUNKUMAR. R**
Filing Date	:NA	

(57) Abstract :
SELF ASSESSMENT FUEL METER (SAF-METER) Abstract: Today fuel -became daily requirement for everybody for most of the things, we do. We can see lot of comments and red-handed video of stealing fuels in the fuel station. Distracting the vehicle owner and - resetting the meter is one of the many tricks that petrol pumps sometimes pull on everybody. All consumers are in need of best quality and precise quantity worth the amount they pay. There are no proper systems or a product to measure these commodities at the consumer side especially fuels.. SAF-METER was designed to measure the fuel quality and quantity by consumer themselves. This device is a . cylindrical shaped designed to be well fit in the fuel tank of a two or four wheeler. It consists of 3 stages 1. Breather 2. Sen-Chamber 3. Quan- Measurer, which measures the quality of fuel and genuineness of the fuel station. Also it updates these information to a website or a mobile app for consumer review and to know the rating of the Fuel Station. -

No. of Pages : 6 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201641034698 A
(19) INDIA
(22) Date of filing of Application :10/10/2016
(43) Publication Date : 13/04/2018

(54) Title of the invention : USEFULL

(51) International classification	:A61N 1/00	(71)**Name of Applicant :** **1)PARIMALA.K.M**
(31) Priority Document No	:NA	Address of Applicant :28/A, 3 CROSS, 2 MAIN,
(32) Priority Date	:NA	CENKATESHWARA LAYOUT,S G PALYA, BANGALORE
(33) Name of priority country	:NA	560029. Karnataka India
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)PARIMALA.K.M**
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
During video pacing in mobile video gateway- consider frequency of usage/ download of video as parameter to increase speed of video pacing.

No. of Pages : 4 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2016
(21) Application No.201641034711 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DUAL POWER SOURCE SYSTEM FOR TWO-WHEELED VEHICLE

(51) International classification	:F16H 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Mohammed Hammood Hussain
2)Bharath Devaraju
3)Akiff Delvi
4)Gourav Krishnaiah setty

(57) Abstract :
ABSTRACT Dual power source system for two-wheeled vehicle Embodiments herein provide a dual power source system for a two-wheeled vehicle. The dual power source system includes a first power source to transmit power in a first mode. Further, the dual power source system includes a second power source to transmit power in a second mode, wherein the second power source is mounted on at least one drive wheel of the two-wheeled vehicle. The second power source, at the rear drive wheel, incudes a brake shoe assembly and a sprocket. Furthermore, the dual power source system includes a switching assembly to switch between the first mode and the second mode. FIG. 1

No. of Pages : 30 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2016

(21) Application No.201641034744 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : APPARATUS FOR PLANT CULTURING

(51) International classification	:A01G 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Gour Chandra Das
2)Debojyoti Das

(57) Abstract :
An apparatus includes a hollow cylinder opened atleast at one end adapted to receive food waste, the hollow cylinder further comprises holes, wherein the holes enable worms to access food waste inside the hollow cylinder from a plant growing medium placed in the apparatus, a porous material running through the plant growing medium about to the height of the hollow cylinder, a waste water tray adapted to receive a water remain received after watering the plant, and is in structural cooperation with the porous material enabling it to transport waste water and the food waste to the plant growing medium through capillary action, a plant receiving structure adapted to receive the plant and the growing medium, the plant receiving structure is in structural cooperation with the hollow cylinder such that the plant growing medium present in the plant receiving structure is adapted to be placed circumferentially around the hollow cylinder, so as to allow worms present in the plant growing medium to travel through the holes of the hollow cylinder into the hollow cylinder or out of the hollow cylinder into the plant growing medium.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2016

(21) Application No.201641034758 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STACKING AND COUNTING UNIT FOR PACKAGING MACHINERY

(51) International classification	:B65G 57/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)ATHIRA R ALATE
2)KANTHALAKSHMI SRINIVASAN

(57) Abstract :
An embodiment herein provides stacking and counting machine. The stacking and counting machine includes a feeding and stacking assembly, a vibrating assembly, and a roller 110. The feeding and stacking assembly includes a feeding unit 102. The feeding unit 102 (i) stores a plurality of sticks, and (ii) orients the plurality of sticks in required direction. The vibrating assembly includes an eccentric motor 104. The eccentric motor 104 is coupled to the feeding unit. The eccentric motor 104 dispenses vibration motion to the feeding and stacking assembly to align each of the plurality of sticks. The roller 110 is coupled to the feeding and stacking assembly mounted at an elevated angle. The roller 110 includes a plurality of slots in the form of grooves that splits each of the plurality of sticks to count each of the plurality of sticks individually.

No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2016
(21) Application No.201641034759 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COUNTER SHAFT DISCONNECT FOR TRUCK TRANSMISSION IN LOWER GEARS.

(51) International classification	:F16H 55/22
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Tamil Nadu India
(72)**Name of Inventor :**
1)K. JIBIN PAUL
2)ADIGA GANESH

(57) Abstract :
ABSTRACT A counter shaft disconnect mechanism for truck transmission in lower gears; comprising a split counter-shaft assembly having a primary shaft and a hollow shaft selectively connectable to each other for low-gear operation or disconnectable from each other for highway-like running conditions. The split counter-shaft assembly comprises: a primary shaft; a hub fitted on the primary shaft; a sleeve mounted on the hub; a hollow shaft mounted on the primary shaft; a dog-clutch with teeth made on the common driven gear on hollow shaft; a respective set of thrust washers and bearings fitted at each end of the hollow shaft; wherein by a switch provided near driver™s seat the truck driver can selectively toggle the mechanism in a disconnect mode for transferring power to the output shaft, via input gear, split counter shaft assembly, through the selected gear for highway-like running conditions; or in a normal mode for transferring power to the output shaft, via the input gear and hollow shaft for starting and reverse gear operation of the truck. FIGURE 3.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016
(21) Application No.201641034424 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AN ULTRASOUND ASSISTED PROCESS OF WATER SPLITTING AND CATALYTIC HYDROGENATION FOR SYNTHESIS OF HYDROGEN PEROXIDE

(51) International classification :C01B 15/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Mr. Sivasankaran Sankaranarayanaiyer

(57) Abstract :
[003] The present invention relates to single stage process of water splitting and catalytic hydrogenation for direct synthesis of hydrogen peroxide from water in presence of ultrasound and hydrogenation catalyst. Water is taken in a vessel. The hydrogenation catalyst such as palladium alone or in combination with cobalt oxide is added and exposed to acoustic cavitation using sonotrode. The breakage of single OH bond in water results in production of hydrogen and hydrogen peroxide. The breakage of both the OH bonds in water results in the production of hydrogen and oxygen. The hydrogen thus produced reacts with oxygen resulting in synthesis of hydrogen peroxide under combined presence of hydrogenation catalyst and ultrasound. The process of synthesis of hydrogen peroxide only requires water as reactant thus reducing the use of organic solvents and is faster, economical, environmentally benign and inherently safe process and does not require high reaction temperature and pressure. (Figure 2)

No. of Pages : 19 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034429 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND APPARATUS FOR CUSTOMIZABLE KEYBOARD WITH MOUSE

(51) International classification	:G06F 3/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Ohileshwar Itagi
3)Shyam B S
4)Ashwin T S

(57) Abstract :
ABSTRACT A system comprising a first module configured to provide plurality of keys, a second module configured to modify and define at least one customized key from the plurality of keys, a third module to generate a customized keyboard layout comprising the plurality of keys and the customized keys wherein the first module, the second module, third module are on a first device, a memory to store/retrieve the customized keyboard layout, a touch screen for displaying the customized keyboard layout and a wireless device for communicating a first selection of one or more keys on the customized keyboard layout to a second device that is remote to the first device, wherein the first selection on the first device causes an operation on the second device that is caused when a similar key on the second device is selected. The plurality of keys comprises alphanumeric and other characters.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034479 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BIOTECHNOLOGICAL TOILET CLEANER

(51) International classification	:E03D 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)AHMED ABDUL HASEEB AKBAR
4)DR.P. MURALIDHAR REDDY
5)DR. ROHINI RONDLA

(57) Abstract :
Toilet cleaners are modern life style products being used widely for cleaning, reducing microbial load and de-odouring of toilet bowl and others. The present toilet cleaners are rich in acid and ATX which harm the toilets and ecosystem. Biotechnological toilet cleaner is prepared with Urease enzyme and low concentration of ATX. Efficient cleaning of toilet bowls, sufficient reduction of microbial load and de-odouring is achieved.

No. of Pages : 10 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034480 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BIOTECHNOLOGICAL HAIR SHAMPOO

(51) International classification	:A61K 8/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Ramavath Ramya Krishna
3)Shaik Muzammil Pasha
4)A Chetana
5)G.Kamala.
6)J .Usha Rani
7)Kaveti Sreeram

(57) Abstract :
INVENTION : BIOTECHNOLGGICAL HAIR SHAMPOO ABSTRACT: One of the hygienic practices, is to use shampoos and soaps for hair cleaning, deodouring and reducing micro organisms to avoid the hair diseases Hke dandruff. Commercial shampoos are having detergents, shampoo base, Triclosan, Isopropyl, preservatives, thickening agents arid essence . Many of these chemicals are known for causing allergies to the human tissue and hair. In the current invention we disclose a biotechnological shampoo preparation and its usage for efficient and ecological washing and maintenance of hair. Biotechnological shampoo is prepared with urease, bromelain along with other components. The preparation was efficient in removing dirt and odour without damaging the hair texture.

No. of Pages : 9 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2016

(21) Application No.201641034760 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMPROVED END DOORS AND STAIRWAY UNIT ON A RAILWAY COACH

(51) International classification	:B61D 23/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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3)BAYYA GNANA PRADEEP
(72)**Name of Inventor :**
1)BAYYA SUBASH CHANDRA SEKHAR
2)BAYYA PRITHVI RAJ
3)BAYYA GNANA PRADEEP

(57) Abstract :
The present invention relates to a combination of an end door and a stairway unit on a railway coach. The coach comprises a modular door unit which is having a door frame surrounded by a door opening. A locking mechanism is provided above the latch for locking and unlocking door to ingress and egress the passengers. A manually operated handle is provided for actuating the lock mechanism to allow the passengers. The door unit is mounted on the guide rail of the coach. The stairway unit is held beneath the door opening. The stair are moved from a fixed position to an elevated and extended position from the door opening to allow the passengers ingress and egress to and from the coach.

No. of Pages : 16 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2016

(21) Application No.201641034761 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM FOR AIR-COOLING THE INTERIORS OF PASSENGER COACHES

(51) International classification	:B60H 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)BAYYA SUBASH CHANDRA SEKHAR
2)BAYYA PRITHVI RAJ
3)BAYYA GNANA PRADEEP

(57) Abstract :
Present invention relates to a system for air cooling the interiors of passenger coaches. Fresh air is drawn from the atmosphere through a blower conductor. The fresh air is cooled to a temperature lower than the internal temperature of the coach through a cooler. The cooled air is pumped through a duct to the coaches. Spouts are provided with air vents alongside the seats and berths for forcing the cooled air to the coach and the occupants.

No. of Pages : 13 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2016

(21) Application No.201641034762 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMPROVED GARBAGE COLLECTION SYSTEM FOR RAIL COACHES

(51) International classification	:B65F 1/00	(71)**Name of Applicant :** **1)BAYYA SUBASH CHANDRA SEKHAR** Address of Applicant :Flat No. 10, Door No: 45-57-17/5/10, City Towers, Narasimhanagar, Vishakapatnam-530024, India. Andhra Pradesh India **2)BAYYA PRITHVI RAJ** **3)BAYYA GNANA PRADEEP**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	(72)**Name of Inventor :** **1)BAYYA SUBASH CHANDRA SEKHAR** **2)BAYYA PRITHVI RAJ** **3)BAYYA GNANA PRADEEP**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
An improved garbage collection system for a rail coach is disclosed. The garbage collector is a closed housing waste tank fixed beneath the rail coach with a suitable capacity to collect more of the garbage generated. The upper portion of the garbage collector is connected with a plurality of garbage collecting recesses. The garbage collecting recesses are movable floor pockets in a pathway of rail coach with handles to open to throw garbage and once the user leaves the handle after throwing the garbage the garbage collecting recesses gets auto closed. A mechanical lever control unit is arranged adjacent to the carriage wall to operate the control opening and closing of the cover. The evacuation system is used to collect the garbage easily at stations from the opposite side of the coach.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2016

(21) Application No.201641034763 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMPROVED WATER STORAGE AND FIRE FIGHTING SYSTEM IN RAIL COACHES

(51) International classification	:A62C 3/00	(71)**Name of Applicant :** **1)BAYYA SUBASH CHANDRA SEKHAR** Address of Applicant :Flat No. 10, Door No: 45-57-17/5/10, City Towers, Narasimhanagar, Vishakapatnam-530024, India. Andhra Pradesh India **2)BAYYA PRITHVI RAJ** **3)BAYYA GNANA PRADEEP**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	(72)**Name of Inventor :** **1)BAYYA SUBASH CHANDRA SEKHAR** **2)BAYYA PRITHVI RAJ** **3)BAYYA GNANA PRADEEP**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
An improved water storage and fire fighting system in rail coaches is disclosed. The plurality of fire fighting systems are placed in a burrow which are available in every single cabins at double berths sides on the side walls of the coach to do fire fighting. The water is distributed to the fire fighting systems through the plurality of distribution system heads arranged in the coach form the water storage tanks. The fire fighting system consists of fire hose and nozzle placed on a distribution system cabinet which is accessible to the passengers by one meter above the FFL of the coach.

No. of Pages : 17 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2016
(21) Application No.201641034767 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A COMPOSITION AND METHOD TO ENHANCE THE BIO AVAILABILITY OF CURCUMINOIDS AND OTHER BIO ACTIVE INGREDIENTS

(51) International classification	:A61K 36/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
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2)Mr. Robin George

(57) Abstract :
[0047] The present invention relates to a composition to increase the bioavailability of natural curcuminoid using the combination of polar and non-polar molecules. The composition the polar molecules and non-polar molecules. The polar molecule comprises aqueous extract of turmeric at the concentration in the range of 42% to 46%. The non-polar molecules comprise turmeric essential oil and curcuminoids at the concentration in the range of 3% to 6% and 50% to 55% respectively. The present invention discloses the method of preparation of polar-nonpolar composition. The polar-nonpolar composition is called as polar-nonpolar soup and curcuminoid is sandwiched in polar-nonpolar soup, in which curcuminoid is protected as a single molecule. The composition easily passes through the lipid membrane as curcuminoid is lipidic in nature thus decreasing the rate of absorption. The concept of formulating the curcuminoid with polar and non-polar matrices is useful to improve the bioavailability of the active ingredients.
(Figure 2)

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2016

(21) Application No.201641034807 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SOLAR TRACKING SYSTEM

(51) International classification	:H01L 31/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)RAMAKRISHNAN V
2)PAINTAMILSELVAN M.S
3)APARNA SANKAR
4)KARTHIKRAJA K
5)SATHISH P

(57) Abstract :
This a horizontal single axis solar panel array sun tracking system, said tracking system including rotational electro-mechanical actuator drive means for moving a plurality of solar panels modules in an array through a range of positions, said system comprising of a plurality of vertically disposed array posts, a rotational torque tube mounting support rail assembly disposed between at least two of said vertically disposed array posts, said mounting rails connected to one or more solar panel modules, the said arrangement characterized in that the solar panel modules are mounted tiltingly between 3º t-o 10 ºand plurality of interlocks provided for safety of the system such as overload protection, electromechanical actuator protection, solar photovoltaic modules emergency stow position and wind/rain water protection.

No. of Pages : 35 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/10/2016

(21) Application No.201641034815 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ˜SMART™ SOLAR LED STREET LIGHT WITH INTEGRATED NETWORKING & COMMUNICATION INFRASTRUCTURE.

(51) International classification :H05B37/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)RAO, Dr. M.V. Ramana;

(57) Abstract :
ABSTRACT Title: SMART SOLAR LED STREET LIGHT WITH INTEGRATED NETWORKING AND COMMUNICATION INFRASTRUCTURE The present invention discloses a tightly integrated smart, solar powered, multi-functional LED based street lighting device comprising a LED based light source for lighting application with high lumens-per-watt LEDs with colour configuration selectable from cool white 5700° K to warm white 2700° K; a customized integrally formed optical Lens system placed in close contact with the LEDs for effective light dispersion in the desired direction; an auxiliary unit comprising means for embedded intelligence in the firmware, integral solar charge controller for charging the rechargeable battery, networking, communication and sensory operations for supporting anyone or more of networked lighting, signaling, surveillance and sensing applications deploying state-of-art communication technologies - GSM / GPRS / Wi-Fi / Li-Fi / LoRA / Zigbee / Bluetooth etc; and an efficient sealed maintenance free rechargeable LiFePO4 battery for supplying power to said auxiliary unit and said LED light source, all packaged within the same light-weight street light casing made of a proprietary bio-degradable thermoplastic material with effective thermal management and safe disposal; the rechargeable battery gets charged from an external solar photovoltaic panel (SPV).

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201641034879 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND APPARATUS FOR BARRING MEDIA DETAILS CHANGES DURING AN ONGOING COMMUNICATION SESSION

(51) International classification	:H04W 4/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)NAGARAJU, Sunil Kumar

(57) Abstract :
The various embodiments of the present invention disclose a method implementing barring of media details change during an ongoing IP multimedia Subsystem (IMS) communication session. The method as disclosed herein comprises of establishing, by a Device under Test (DUT), a communication with one or more user devices through an application server, adding, by the DUT, a privacy message in a media header of an SIP, if the DUT wants to hide a session modification details from the one or more other users, checking, by the application server, if the privacy message is present in the media header of the incoming SIP, and preventing transmission of un-allowed media streams to the DUT if the privacy message is present in the media header of the incoming SIP. Figure 1

No. of Pages : 18 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201641034901 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A NOVEL PROCESS TO PREPARE SILVER NANO-PARTICLES FROM OCIMUM SANCTUM (THULASI) AND PIPER BETLE

(51) International classification :A61K 36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TAGORE DENTAL COLLEGE AND HOSPITAL, REP BY ITS CHAIRPERSON PROF.M. MALA
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2)Dr.Chitraa R. Chandran
3)Dr.Sambandam Cecilia
4)S. Divyarani
5)Lakshya Kirubasankar
6)R.Charumathy

(57) Abstract :
ABSTRACT The invention relates to a novel process to prepare Silver nano particles from Ocimum sanctum (Thulasi) and Piper betle (betelleaf). The Silver nano particles (AgNPs) are nano particles of silver between 1 nm to 100nm in size. They are known to have excellent antimicrobial properties thus used as disinfectants. AgNPs are synthesized by different methods viz., physical, chemical and biological. The biological or green synthesis of AgNPs is most preferred method than the chemical and physical methods as they are eco friendly, economic and easy for large scale synthesis. The present invention discloses the antibacterial activity of AgNPs prepared by the aqueous extracts of Ocimum sanctum (Thulasi) and Piper betle (betel leaf) against E. faecalis.

No. of Pages : 15 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016

(21) Application No.201641034926 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR SHARED DISTRIBUTED MEMORY MANAGEMENT IN MULTI-CORE SOLID STATE DRIVE (SSD)

(51) International classification :G06F 13/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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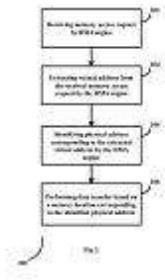
1)Vikram Singh Shekhawat
2)Chandrashekar Tandavapura Jagadish
3)Vamshi Krishna Komuravelli
4)Manoj Thapliyal

(57) Abstract :
ABSTRACT Method and system for memory access in a multi-core Solid State Drive (SSD). In this method, Direct Memory Access (DMA) descriptors are distributed to local memory of each processor, and a DMA engine is configured with logical addresses corresponding to location of the DMA descriptors. The DMA engine is configured to receive a memory access request from a server, extract a logical address of the memory location indicated in the received request, and determine physical address of the memory location by processing a logical address that is extracted from a data request received.The logical addresses emulate a continuous memory while the data is stored in different memory locations. FIG. 2



No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201641034927 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND SYSTEMS TO ASSOCIATE DISTINCT SERVICES IN IMS

(51) International classification	:H04L 29/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)Vijay Sangameshwara
2)Siva Prasad Gundur
3)Bhargav Madishetty
4)Sreekanth Vadakkepurakkal Chandran

(57) Abstract :
ABSTRACT The embodiments herein disclose a method and system for associating services in an electronic device, the method includes sending by the first electronic device a first service(s) to a second electronic device, wherein a P-Associated-Dialog (PAD) of the first service(s) is associated with an identifier. Further, the method includes sending by the first electronic device a second service(s) to the second electronic device by associating the identifier present in the PAD of the first service(s) with a PAD of the second service(s) to associate the second service(s) with the first service(s) in a user interface design (UX) screen of the first service(s) at the second electronic device. Further the method includes associating services served by different MCX application servers (AS) at MCX network. FIG. 1

No. of Pages : 39 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201641034951 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMPROVED DEVICE AND METHOD OF VULCANISING TIRE

(51) International classification :B29D 30/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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9)JAYAKUMAR, Sreeraj, Panayancheri
10)RAJENDRAN, Emmanuel

(57) Abstract :
Disclosed is an improved device and method of vulcanizing tire. In one implementation, a hydraulic tire press comprises an opposed mold parts, hydraulic clamp means operative to maintain said mold parts together during cure, said hydraulic clamp means including a piston-cylinder assembly having a projecting rod, and means limiting the retraction stroke of said piston-cylinder assembly, said hydraulic tire press characterized in that comprising a chain drive based twin nut and screw mechanism adapted to adjust heights of said mold parts. The chain drive based twin nut and screw mechanism is adapted to provide better accuracy associated with production of tires. Further, a device and method of arrangement of adjusting nut, adjusting screw, sprocket, guide bush, chain and drive motor which eliminate unwanted play associated with threaded construction of conventional single nut and screw mechanism and hence better accuracy associated with production of tires.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016

(21) Application No.201641034952 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SUSPENSION SYSTEM FOR VEHICLE

(51) International classification :B60G17/033
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RAJARATHINAM KARTHIKEYAN
3)DIPTIMAYEE SAMAL
4)KOTHANDAPANI MOHAN

(57) Abstract :
The present subject matter described herein relates to a suspension system (100) for a vehicle. The suspension system (100) as per an aspect of the present invention includes a damper unit (102), a damping adjuster assembly (103) and a gas canister unit (104). The suspension system (100) as per the present invention is configured to provide adjustable damping characteristics for achieving enhanced customer comfort and vehicle handling comfort, under different conditions of riding. Particularly, the damping adjuster assembly (103) includes a rebound damping adjuster unit (103a) and a compression damping adjuster unit (103b) adapted to be adjusted independently for altering pressure of the damping fluid in order to generate damping force in the rebound damping adjuster unit (103a) and the compression damping adjuster unit (103b) respectively.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016

(21) Application No.201641034953 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : EMISSION REDUCING SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification	:C01B3/36; F02B43/10; F02M25/12;
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(57) Abstract :
The present invention relates to a system for reducing the emissions being generated in an internal combustion engine (4). The present subject matter comprises of a system of spraying and mixing oxidant and reductant along with an air-fuel mixture being sent for combustion. As per the present subject matter, the flow of oxidant and reductant being mixed with the air-fuel mixture is controlled by a low discharge pump (23) being operated at an engine speed.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201641034980 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND SYSTEM FOR ENRICHED USER EXPERIENCE USING NETWORK DRIVEN EVENTS

(51) International classification	:G06Q 10/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)Bala Kama Raju
4)Sriram Shashank
5)Tanu Malhotra

(57) Abstract :
ABSTRACT Method and user equipment (UE) for improving quality of experience (QoE) in wireless communication network • Embodiments herein provide a method and user equipment (UE) for improving quality of experience (QoE) for one or more users in a wireless communication network. The method includes receiving information indicative of network conditions from the wireless communication network. Further, the method includes dynamically performing at least one action based on the network conditions in response to a detected event

No. of Pages : 54 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016

(21) Application No.201641034991 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POWER OPERATED ALOE VERA LEAF SLICING MACHINE

(51) International classification	:A61K 36/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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4)Roopa Bai R S
5)Sunil Shirwal
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(72)**Name of Inventor :**
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3) Ambrish Ganachari
4)Roopa Bai R S
5)Sunil Shirwal
6) Udaykumar Nidoni
7)Sharangouda Hiregoudar

(57) Abstract :
ABSTRACT OF THE INVENTION The Aloe plant belongs to a member of the family Liliaceae, which comprises more than 360 different species. Aloe ;vera has a number of uses and mainly they are used as a food preservative and herbal medicine. In manufacturing of whole leaf Aloe vera powder, slicing is one of the important unit operation after trimming. Presently, manual slicing is most commonly followed in Indian Aloe industries, which is time consuming, tedious, unhygienic, expensive and sometimes hazardous. The design and development of Aloe vera leaf slicing machine is to solve the aforementioned problems. This machine mainly consist of belt conveyor, feed and conveyor roller, chain sprockets, knives, power transmission mechanism and frame. The performance evaluation of the machine was evaluated under three belt conveyor speed (0.251, 0.188 and 0.125 m.s) and three No. of knives (2, 4 and 8). It was found that 0.251 m.s1 belt conveyor speed with 8 No. of knives was optimized condition. The machine is simple in construction, easy to operate and does not requires special skill. Results of the test carried out showed that the time required to slice equal length of Aloe vera with the machine is 24 times less than the manual process. This machine has slicing efficiency of about 90.46% with effective capacity of 648.21 kg.h1. The results shows that the capacity of the machine was 24 times morethan manual slicing.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016

(21) Application No.201641034993 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SPEED CONTROL SYSTEM FOR BLDC MOTOR BASED CEILING FAN USING WALL MOUNTED CAPACITIVE STEP TYPE FAN REGULATOR

(51) International classification	:H02P 6/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)DURGASHARAN KRISHNAMURTHY
2)SELVAKUMAR MURUGESAN

(57) Abstract :
The present invention discloses a speed control system for brushless DC (BLDC) motor based ceiling fan using wall mounted capacitive step-type fan regulator (100). The desired speed can be controlled by changing the knob of the capacitive step-type fan regulator (100) to the corresponding position. Whenever the user changes the capacitive step-type fan regulator (100) knob from one position to another there is a change in the divided down rectified voltage (105) due to a break in the mains supply and also there is a change in the impedance (Zc). The change in impedance value is then interpreted and processed by the programmed microcontroller (106) and the corresponding fan speed is set. The capacitive step-type fan regulator (100) according to the present invention employs the switch (S1) which is of break-before-make type. During power-on, the impedance value in the capacitive step-type fan regulator (100) is interpreted and then processed by the programmed microcontroller (106) to set the corresponding fan speed. FIGURE-2

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/09/2017

(21) Application No.201744033587 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ENERGY STORAGE APPARATUS

(51) International classification	:H01G9/00; H01M10/36
(31) Priority Document No	:2016-201196
(32) Priority Date	:12/10/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)YAMAMOTO, Yuichiro

(57) Abstract :
An energy storage apparatus includes: a second outer case having a bottom wall and a side wall; an energy storage device; and a holding member disposed at a position where the energy storage device is sandwiched between the bottom wall and the holding member. The energy storage apparatus further includes: a first adhesive layer which makes the holding member and the energy storage device adhere to each other; and a second adhesive layer which makes the holding member and the side wall adhere to each other.

No. of Pages : 53 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/09/2017

(21) Application No.201744033770 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ENERGY STORAGE APPARATUS

(51) International classification	:F16C32/04; F16C39/06; F16F15/30
(31) Priority Document No	:2016-201206
(32) Priority Date	:12/10/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)YAMAMOTO, Yuichiro

(57) Abstract :
ABSTRACT ENERGY STORAGE APPARATUS Provided is an energy storage apparatus which includes: an outer case having an opening portion; and a plurality of energy storage devices arranged in a first direction in the outer case. A positioning projection which extends toward a bottom portion in a second direction substantially orthogonal to the first direction is disposed on opposedly facing inner side surfaces of the outer case. The positioning projection can position the adjacently disposed energy storage devices at a bottom side of the outer case.

No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/10/2017

(21) Application No.201744034929 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PLUG CONNECTOR

(51) International classification :H01R13/6315
(31) Priority Document No :16192912.0
(32) Priority Date :07/10/2016
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)WUERKER, Robert
3)SCHRETTLINGER, Christian
4)MUMPER, Guenther
5)KETTELER, Alfons
6)BERGNER, Bert

(57) Abstract :
The present invention relates to a plug connector (100) for accommodating a cable head (130) and for being inserted into a socket (160). The plug connector (100) can be used for economically and feasibly integrating shielded cables into unshielded data communication systems, for example for sensitive links in automotive applications where a high electromagnetic compatibility (EMC) is required. The plug connector comprises a plug connector frame (110) and a connection member for electrically conductively connecting the shielding elements of the socket and the cable head (130). Advantageously, the connection member is a spring element (120) made of a resilient material having two contacting portions for electrically conductively contacting shielding elements of the cable head (130) and the socket (160). A method for manufacturing a plug connector is also provided. (Fig. 5)

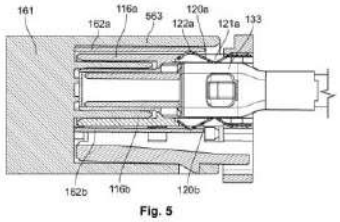

Fig. 5

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/10/2017

(21) Application No.201744035125 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A MATERIALS HANDLING SYSTEM

(51) International classification :G05D1/0274;G05D1/0297;
(31) Priority Document No :GB1617099.5
(32) Priority Date :07/10/2016
(33) Name of priority country :U.K.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Dr Stephen Bright

(57) Abstract :
A materials handling system (10) comprising a first (60) and second ladder (70) section connectable together to form a longer ladder, a tensioning system (100) attached to each section for tensioning the connected ladder sections, and a trolley (110) arranged to travel along the connected ladder sections, wherein the system includes a cable (158) and pulley for moving the trolley along the connected ladder sections. Figure 1

No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/10/2017

(21) Application No.201744035704 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PHOTO-DETECTION APPARATUS AND PHOTO-DETECTION SYSTEM

(51) International classification :G06K9/00
(31) Priority Document No :2016-202052
(32) Priority Date :13/10/2016
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MORIMOTO, Kazuhiro
2)SHINOHARA, Mahito

(57) Abstract :
An apparatus wherein, in plane view, a first semiconductor region of a first conductivity type overlaps at least a portion of a third semiconductor region, a second semiconductor region overlaps at least a portion of a fourth semiconductor region of a second conductivity type, a height of a potential of the third semiconductor region with respect to an electric charge of the first conductivity type is lower than that of the fourth semiconductor region, and a difference between a height of a potential of the first semiconductor region and that of the third semiconductor region is larger than a difference between a height of a potential of the second semiconductor region and that of the fourth semiconductor region.

No. of Pages : 97 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043360 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PNEUMATIC FILTER AND FILTER ELEMENT

(51) International classification :B01D46/24,B01D46/52
(31) Priority Document No :2015-096629
(32) Priority Date :11/05/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/062990
Filing Date :26/04/2016
(87) International Publication No :WO 2016/181820
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TANAKA Takayuki

(57) Abstract :
[Problem] To obtain a filter element with a simple constitution that can reliably prevent remixing of liquid collected by a filtration member into compressed air after cleaning. [Solution] A filter element has an inside filtration member 7 surrounding a center space 6 an outside filtration member 8 surrounding the inside filtration member 7 an upper end cap 23 having an introduction opening 31 for introducing compressed air inside the center space 6 and a lower end cap 24 closing off the lower end part of the center space 6. The outer periphery of the lower end part of the inner filtration member 7 is surrounded by an inner side wall 37 and the outer periphery of the lower end part of the outer filtration member 8 is surrounded by an outer side wall 38 with the upper end surface 38a of the outer side wall 38 being positioned higher than the upper end surface 37a of the inner side wall 37. A liquid discharge path 25 is formed between the outer side wall 38 and the inner side wall 37 and the liquid discharge path 25 is connected to a liquid discharge hole 25a open in the lower surface of the lower end cap 24.

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043361 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COMBINE HARVESTER

(51) International classification :A01D61/00,A01D41/12
(31) Priority Document No :2015-173106
(32) Priority Date :02/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/066816
Filing Date :07/06/2016
(87) International Publication No :WO 2017/038184
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)UEDA, Mao
2)TAKAHARA, Kazuhiro
3)KATO, Katsuhide

(57) Abstract :
There is much need for a combine harvester which is capable of reliably bringing grain culms into contact with a grain culm sensor so as to improve the detection accuracy of the gain culm sensor. This combine harvester is provided with: a harvest frame 11 that receives grain culms cut by a reaping device; a rake in auger 12 that is disposed within the harvest frame 11 so as to be rotatable about a rotary shaft center X1 extending in a right left direction of the harvester body that conveys the grain culms inside the harvest frame 11 in a right left direction of the harvester body and that rakes in the grain culms toward the rear of the harvester body; and a feeder 13 that is communicatively connected to a rear wall of the harvest frame 11 and that conveys the grain culms raked in by the rake in auger 12 toward the rear of the harvester body. A grain culm sensor 25 that when grain culms make contact therewith detects the presence of such grain culms is disposed at a grain culm inlet 24a in the feeder 13.

No. of Pages : 16 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043390 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TRAVEL WORKING MACHINE

(51) International classification :B60W50/02,A01B69/00,B60W30/18
(31) Priority Document No :2015-172068
(32) Priority Date :01/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/065399
Filing Date :25/05/2016
(87) International Publication No :WO 2017/038170
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)TAKASE, Shunya
2)NAKAJIMA, Tetsuya
3)TANABE, Aya
4)HAYASHI, Shigeki

(57) Abstract :
This travel working machine is provided with an automatic travel control unit 61 for implementing automatic travel on the basis of automatic travel information needed for automatic travel a manual travel control unit 52 for implementing manual travel on the basis of an operation signal from a manual travel operation unit 9 a body status sensing unit 51 for outputting body status information indicating the body status on the basis of the operation signal and a detection signal received from a status detection device 8 and an automatic travel management section 7 for determining whether automatic travel will be prohibited or allowed by the automatic travel control unit 61 on the basis of the body status information and outputting on the basis of the body status information an automatic prohibition time control command which decides the control of the body after a command to prohibit automatic travel has been issued.

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043455 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FACTOR XII (HAGEMAN FACTOR) (F12) KALLIKREIN B PLASMA (FLETCHER FACTOR) 1 (KLKB1) AND KININOGEN 1 (KNG1) IRNA COMPOSITIONS AND METHODS OF USE THEREOF

(51) International classification :C12N15/113,A61K31/713
(31) Priority Document No :
(32) Priority Date : -
(33) Name of priority country :Argentina
(86) International Application No :PCT/US2016/030876
Filing Date :05/05/2016
(87) International Publication No :WO 2016/179342
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)AKINC, Akin
2)HINKLE, Gregory
3)MAIER, Martin
4)BUTLER, James
5)LIU, Jingxuan

(57) Abstract :
The present invention relates to RNAi agents e.g. double stranded RNAi agents targeting the Kallikrein B Plasma (Fletcher Factor) 1 (KLKB1) gene the Factor XII (Hageman Factor (F12) gene or the Kininogen 1 (KNG1) gene and methods of using such RNAi agents to inhibit expression of a KLKB1 gene an F12 gene and/or a KNG1 gene and methods of treating subjects having an hereditary angioedema (HAE) and/or a contact activation pathway associated disorder.

No. of Pages : 220 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/08/2016

(21) Application No.201641027233 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SPLASH GUARD FOR MIXER GRINDER APPLIANCE

(51) International classification	:A47J36/16; B01F13/00; B01F7/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)T.T.VARADARAJAN
2)N.BALAJI
3)E.MOHAN

(57) Abstract :
The present invention relates to a splash guard for mixer grinder jar, which prevents splashing of ingredients and/or liquid to lid of the mixer grinder jar while grinding. The splash guard [4] for jar of a mixer grinder appliance, comprises at least one frame [1] provided with at least one holding portion [1a], at least one mesh [2] and at least one seal ring [3] are accommodated within the frame [1] to form the splash guard [4]. The splash guard [4] on placing at required position inside the jar [6] increases the grinding efficiency of the mixer grinder. It also allows air to pass through the mesh [2] for the reducing air pressure. Advantageously, the present invention avoids lifting of lid [5] and splashing of ingredients and/or liquid outside the jar [6] and also ensures efficient grinding even if the quantity of ingredients to be grind is less.

No. of Pages : 12 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2017

(21) Application No.201747044689 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SAFETY IMPROVEMENTS FOR UV RADIATION IN AQUATIC APPLICATIONS

(51) International classification :B63B59/04,B63B59/08,A61L2/10
(31) Priority Document No :15170615.7
(32) Priority Date :03/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/060592
Filing Date :11/05/2016
(87) International Publication No :WO 2016/192942
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SALTERS, Bart Andre
2)HIETBRINK, Roelant Boudewijn

(57) Abstract :
The invention provides an object (10) that during use is at least partly submerged in water the object (10) further comprising an anti biofouling system (200) comprising an UV emitting element (210) wherein the UV emitting element (210) is configured to irradiate with UV radiation (221) during an irradiation stage one or more of (i) a part (111) of an external surface (11) of said object (10) and (ii) water adjacent to said part (111) of said external surface (11) wherein the light source (220) is at least controllable between a first UV radiation level and a second UV radiation level wherein the first UV radiation level is larger than the second UV radiation level wherein the object (10) is selected from the group consisting of a vessel (1) and an infrastructural object (15) wherein the object (10) further comprises a control system (300) configured to control said UV radiation (221) as function of input information comprising information of one or more of (i) a location of the object (10) (ii) movement of the object (10) (iii) a distance (d) of the object (10) to a second object (20) and (iv) a position of the part (111) of the external surface (11) relative to the water.

No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2017

(21) Application No.201747044696 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND DEVICE FOR BIOFOULING PREVENTION ON VESSELS BY MEANS OF UV RADIATION AND SURFACE MODIFICATION

(51) International classification :B08B7/00,B08B17/00,B08B17/04
(31) Priority Document No :15170650.4
(32) Priority Date :04/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061641
Filing Date :24/05/2016
(87) International Publication No :WO 2016/193055
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)JANSSEN, Esther Anna Wilhelmina Gerarda
2)HIETBRINK, Roelant Boudewijn
3)SALTERS, Bart Andre

(57) Abstract :
The invention provides an object (10) that during use is at least partly submerged in water wherein the object (100) is selected from the group consisting of a vessel (1) and an infrastructural object (15) the object (10) further comprising an anti biofouling system (200) comprising an UV emitting element (210) wherein the UV emitting element (210) is configured to irradiate with UV radiation (221) during an irradiation stage one or more of (i) a first part (111) of an external surface (11) of said object (10) and (ii) water adjacent to said first part (111) of said external surface (11) of saidobject (10) wherein the object (10) further comprises protruding elements (100) with the UV emitting element (210) configured between the protruding elements (100) and configured depressed relative to the protruding elements (100).

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2017

(21) Application No.201747044697 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND METHOD FOR PRECISION DIAGNOSIS AND THERAPY AUGMENTED BY CANCER GRADE MAPS

(51) International classification :A61B8/08,A61B8/12,A61B8/00
(31) Priority Document No :62/170710
(32) Priority Date :04/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/061461
Filing Date :20/05/2016
(87) International Publication No :WO 2016/193025
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)TAHMASEBI MARAGHOOSH, Amir Mohammad
3)BHARAT, Shyam

(57) Abstract :
An ultrasound system for performing cancer grade mapping includes an ultrasound imaging device (10) that acquires ultrasound imaging data. An electronic data processing device (30) is programmed to generate an ultrasound image (34) from the ultrasound imaging data and to generate a cancer grade map (42) by (i) extracting sets of local features from the ultrasound imaging data that represent map pixels of the cancer grade map and (ii) classifying the sets of local features using a cancer grading classifier (46) to generate cancer grades for the map pixels of the cancer grade map. A display component (20) displays the cancer grade map for example overlaid on the ultrasound image as a color coded cancer grade map overlay. The cancer grading classifier is learned from a training data set (64) comprising sets of local features extracted from ultrasound imaging data at biopsy locations and labeled with histopathology cancer grades.

No. of Pages : 15 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043494 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND APPARATUS FOR COMPRESSOR SYSTEM PRESSURIZATION

(51) International classification :F04D27/00,F04D17/12,F04D25/16
(31) Priority Document No :MI2015A000646
(32) Priority Date :07/05/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2016/060181
Filing Date :06/05/2016
(87) International Publication No :WO 2016/177879
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BALDANZINI, Fabio
2)GALLINELLI, Lorenzo

(57) Abstract :
Method of pressurizing a downstream compressor system (3) operatively connected to an upstream compressor system (2) by using a bleeding line (5) connected at a first end to the downstream compressor system (3) and at a second end at least to one bleeding region or tie out region of the upstream compressor system (2).

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043495 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A TURBOMACHINERY GASKET AND A TURBOMACHINERY PROVIDED WITH SAID GASKET

(51) International classification :F01D25/24,F04D17/12,F04D29/08
(31) Priority Document No :MI2015A000645
(32) Priority Date :07/05/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2016/060182
Filing Date :06/05/2016
(87) International Publication No :WO 2016/177880
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SARRI, Franco
2)BERNOCCHI, Andrea
3)SMORTI, Franco

(57) Abstract :
A turbomachinery gasket (20) comprising at least a first curved elongated element having a coupling part (22) configured to cooperate with a tubular assembly (30) in order to keep the gasket (20) in position on the tubular assembly (30) and an outer surface configured to seal against an outer casing provided to house the tubular assembly (30) the first curved elongated element comprising a first and a second free end the first free end providing a first protruding lip and the second free end providing a second protruding lip the first protruding lip being configured to overlap with the second protruding lip of the first curved elongated element or with a second protruding lip of a second elongated element functionally identical to the first one so that when the gasket is in use a seal in that part of the gasket having said protruding lips is granted.

No. of Pages : 10 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043497 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ASSEMBLY/DISASSEMBLY APPARATUS FOR FLANGED MECHANICAL DEVICE AND ASSEMBLY/DISASSEMBLY METHOD FOR FLANGED MECHANICAL DEVICES

(51) International classification :F01D25/24
(31) Priority Document No :MI2015A000647
(32) Priority Date :07/05/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2016/060184
Filing Date :06/05/2016
(87) International Publication No :WO 2016/198216
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GIAMMARCHI Alessandro Giammarchi

(57) Abstract :
An assembly/disassembly apparatus (1) for flanged mechanical device comprising: a main body (2) provided with a rear abutment sector (21) having at least a seat (22); a coupling pin (4) housed in part in the seat (22) and extending from the seat (22) in a first direction; a grabbing device (3) coupled to said main body (2); an engagement mechanism (5) provided at least by a first (51) and a second (52) retaining arm said first (51) and second (52) retaining arms being movable together at least between a first and a second positions in which in said first position the first retaining arm (51) faces the rear abutment sector (21) while in said second position the second retaining arm (52) faces the rear abutment sector (21).

No. of Pages : 14 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043500 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SILICIDE BASED COMPOSITE MATERIAL AND PROCESS FOR PRODUCING THE SAME

(51) International classification	:B32B18/00,C04B35/58,C04B35/645
(31) Priority Document No	:102015000017234
(32) Priority Date	:22/05/2015
(33) Name of priority country	:Italy
(86) International Application No Filing Date	:PCT/EP2016/061272 :19/05/2016
(87) International Publication No	:WO 2016/188855
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)DIMATTEO Antonella
3)GIANNOZZI Massimo
4)MASTROMATTEO Francesco
5)TOZZI Pierluigi

(57) Abstract :
A silicide based composite material is disclosed comprising a silicide of Mo B W Nb Ta Ti Cr Co Y or a combination thereof Si3N4 and at least an oxide from the group consisting of Yttrium oxides and Cerium oxides as well as and a process for producing the same said process comprising the steps of: i) providing powders of silicide Si3N4 and at least an oxide ii) homogeneously blending the powders iii) lying at least a first layer of blended powders on a support surface iv) melting at least a part of the powders by activating a power source said source having an energy power of 150 1000W and v) allowing the melted powders to cool and solidify thus obtaining the silicide based composite material.

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/12/2017

(21) Application No.201747043502 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR ASSEMBLING EQUIPMENT ON A SUPPORT OF A TURBOMACHINE

(51) International classification :F01D25/24,F02C7/32,F16B19/08
(31) Priority Document No :102015000017463
(32) Priority Date :25/05/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2016/061783
Filing Date :25/05/2016
(87) International Publication No :WO 2016/189026
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)TOGNARELLI Leonardo
3)PACCIANI Alessandro
4)BIGI Mario

(57) Abstract :
The present invention concerns a method for assembling equipment on a support (100) of a turbo machine. The method comprises the step of mechanically assembling the equipment to a part (101) of said support (100) by means of a fastening device (10) and a further step consisting of providing a coating layer (50) of resin at the interface between said fastening device (10) and said support part (101). The coating layer (50) allows to perfectly seal the interface between the fastening device (10) and said support part (101) thus avoiding the oxidation of the internal surface without painting.

No. of Pages : 11 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/12/2017

(21) Application No.201747045076 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MODE TRANSITION CONTROL DEVICE FOR HYBRID VEHICLE

(51) International classification	:B60W10/10,B60K6/442,B60K6/547
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/JP2015/066064 :03/06/2015
(87) International Publication No	:WO 2016/194172
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)TOYOTA, Ryohey

(57) Abstract :
Provided is a mode transition control device that is for a hybrid vehicle and that reduces the feeling of discomfort experienced by a driver at the time of a mode transition from a series travel model to a parallel travel mode during travel. During mode transition (S5) from a series travel mode to a parallel travel mode in a hybrid vehicle that is capable of mode transition between the series travel mode and the parallel travel mode a gear is selected (S9) such that the rotational speed change amount NE of an internal combustion engine ICE accompanying mode transition is equal to or less than a predetermined threshold value NETH.

No. of Pages : 31 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/12/2017

(21) Application No.201747045184 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PORTABLE APPARATUS AND METHOD FOR DECISION SUPPORT FOR REAL TIME AUTOMATED MULTISENSOR DATA FUSION AND ANALYSIS

(51) International classification :G06K9/62,G06K9/74,G06T3/00
(31) Priority Document No :62/162586
(32) Priority Date :15/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/032687
Filing Date :16/05/2016
(87) International Publication No :WO 2016/187112
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)WELLER, Whitney
2)PEPUS Gregory

(57) Abstract :
The present invention encompasses a physical or virtual computational analysis fusion and correlation system that can automatically systematically and independently analyze collected sensor data (upstream) aboard or streaming from aerial vehicles and/or other fixed or mobile single or multi sensor platforms. The resultant data is fused and presented locally remotely or at ground stations in near real time as it is collected from local and/or remote sensors. The invention improves detection and reduces false detections compared to existing systems using portable apparatus or cloud based computation and capabilities designed to reduce the role of the human operator in the review fusion and analysis of cross modality sensor data collected from ISR (Intelligence Surveillance and Reconnaissance) aerial vehicles or other fixed and mobile ISR platforms. The invention replaces human sensor data analysts with hardware and software providing two significant advantages over the current manual methods.

No. of Pages : 42 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/12/2017

(21) Application No.201747045260 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POWER GENERATION CONTROL DEVICE FOR A HYBRID VEHICLE

(51) International classification	:B60W10/06,B60K6/442,B60K6/547
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/JP2015/065777 :01/06/2015
(87) International Publication No	:WO 2016/194106
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)KOGA, Masato
3)YAGI, Hidekazu

(57) Abstract :
Provided is a hybrid vehicle start control device that prevents unintended locking of a released engagement clutch during idle power generation. An internal combustion engine (ICE) is operated during idle power generation so that the input/output difference in the rotational speed of engagement clutches (second and third engagement clutches (C2 C3)) for connecting a power source (a first motor generator (MG1) and the internal combustion engine (ICE)) and the drive wheels becomes a value equal to or greater than a rotation difference threshold value at which the engagement clutches (the second and third engagement clutches (C2 C3)) do not lock.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/12/2017

(21) Application No.201747045261 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STARTING CONTROL DEVICE FOR ELECTRICALLY DRIVEN VEHICLE

(51) International classification :B60W 10/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/065776
Filing Date :01/06/2015
(87) International Publication No :WO/2016/194105
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TSUKIZAKI, Atsushi
2)KOGA, Masato
3)FUKUDA, Hiroyuki
4)TOYOTA, Ryohey

(57) Abstract :
ABSTRACT STARTING CONTROL DEVICE FOR ELECTRICALLY DRIVEN VEHICLE To provide a starting control device for an electrically driven vehicle that is configured to suppress an abrupt increase in the rotation of the electric motor at the time of an EV start of the vehicle from a released state of the starting dog clutch. In the electrically driven vehicle, an EV start is carried out by transmitting the output of the first motor/generator (MG1) to the drive wheels (19) via the third engagement clutch (C3) that is meshing engaged due to a stroke from a disengaged position. The output of the first motor/generator (MG1) is limited until the third engagement clutch (C3) comes into a meshed state in which the transmission of drive power is possible at the time of start from a released state of the third engagement clutch C3. [FIG. 8]

No. of Pages : 44 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/12/2017

(21) Application No.201747045427 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND SYSTEMS FOR LINKING SPECIFIC INFORMATION TO INDIVIDUAL PRODUCT UNITS

(51) International classification :G06Q10/08
(31) Priority Document No :61/181,843
(32) Priority Date :19/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/052780
Filing Date :10/02/2016
(87) International Publication No :WO/2016/202471
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BUREAU, CHRISTOPHE

(57) Abstract :
The method for linking information in a database to a specific product unit in a production run and making this information available to a user comprises the steps of: a.) providing each product unit in a production ran of at least two product units with a unique identifier tag, b.) providing a database, said database comprising units of information as well as image information of each unique identifier tag; c.) linking at least one of said units of information to each of said unique identifier tags; and d.) providing a user with a reader, said reader being able to read said unique identifier tag and comprising a request system for accessing said units of information stored in said database based on said unique identifier tag; wherein the reader is configured to read said unique identifier tag as image information and said request system is configured to initiate a comparison between said image information of said unique identifier tag read by said reader with said image information of said unique identifier tags stored in the database to retrieve said at least one unit of information linked to said unique identifier tag and provides said information linked to said unique identifier tag to said user.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2017

(21) Application No.201747045807 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING SMART COMMUNICATION DEVICE-BASED LOW LEVEL LIGHT THERAPY SERVICE

(51) International classification :G06Q 50/22
(31) Priority Document No :10-2016-0057680
(32) Priority Date :11/05/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/004783
Filing Date :10/05/2017
(87) International Publication No :WO/2017/196052
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KIM, Nam Gyun
3)PARK, Kyoung Jun
4)AN, Hea Ja
5)OH, Han Yeong
(72)**Name of Inventor :**
1)KIM, Nam Gyun
2)PARK, Kyoung Jun
3)AN, Hea Ja
4)OH, Han Yeong

(57) Abstract :
The present disclosure relates to a system and method for providing a smart communication device-based light therapy service in which a light therapy device is operated in conjunction with a smart communication device and an information providing server to perform a light therapy, and when a user purchases a lightceutical clinical code corresponding to a certain disease using the smart communication device, the information providing server generates the lightceutical clinical code of the disease containing a wavelength of light, an intensity of light, an irradiation time of light, and an irradiation pattern of light and sends the generated lightceutical clinical code to the smart communication device, and the smart communication device sends the received lightceutical clinical code to the light therapy device or generates a light therapy device control signal in accordance with the lightceutical clinical code and transmits the generated light therapy device control signal to the light therapy device to operate the light therapy device, thereby allowing customized therapy of various diseases or symptoms to be performed. The system for providing a smart communication device-based light therapy service includes a smart communication device through which a screen for purchasing a lightceutical clinical code including a wavelength of light, an intensity of light, an irradiation time of light, and an irradiation pattern of light is output and configured to receive a lightceutical clinical code from an information providing server and send the received lightceutical clinical code to a light therapy device or generate a light therapy device control signal in accordance with the lightceutical clinical code and send the generated light therapy device control signal to the light therapy device when a payment for a purchase of the lightceutical clinical code is completed in conjunction with a financial payment server, the information providing server configured to read the lightceutical clinical code from an information providing server DB and send the read lightceutical clinical code to the smart communication device when the payment for the lightceutical clinical code is completed by the smart communication device operating in conjunction with the financial payment server, and the light therapy device configured to operate in accordance with the lightceutical clinical code or the light therapy device control signal received from the smart communication device. Fig.3

No. of Pages : 81 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016

(21) Application No.201641035003 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NOVEL POLYMORPHS OF BETRIXABAN AND ITS SALTS

(51) International classification	:C07D 213/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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1)Ramakoteswara Rao Jetti
2)Amit Singh
3)Anjaneyaraju Indukuri
4)Narasimha Murthy Pilli
5)Vijay Krishna Ravi
6)Chaitanya Muggu

(57) Abstract :
An amorphous form of betrixaban maleate and process for the preparation of the same are disclosed. A solid dispersion of amorphous betrixaban maleate with pharmaceutically acceptable excipients and processes for the preparation of the same are also disclosed. Betrixaban base polymorphic forms and processes for preparing the same are also disclosed.

No. of Pages : 66 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201641035019 A
(19) INDIA
(22) Date of filing of Application :13/10/2016
(43) Publication Date : 13/04/2018

(54) Title of the invention : DEVICE TO FACILITATE EASY MOVEMENT OF PASSENGER AND LUGGAGE

(51) International classification	:A61G 3/06, B61D 23/02	(71)**Name of Applicant :** **1)Indian Institute of Science** Address of Applicant :C V Raman Road, Bangalore-560012, Karnataka, India. Karnataka India
(31) Priority Document No	:NA	**2)Centre for Product Design and Manufacturing**
(32) Priority Date	:NA	(72)**Name of Inventor :**
(33) Name of priority country	:NA	**1)CHAKRABARTI, Amaresh**
(86) International Application No	:NA	**2)DIWAKAR, J. E.**
Filing Date	:NA	**3)PATIL, Neepun P.**
(87) International Publication No	: NA	**4)RAI, Anumeha**
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The disclosure relates to a device tofacilitate a user in transporting himself and his luggage to/from a train during embarking/disembarking. The disclosed device can bridge vertical level difference between train footboard and platform as well ashorizontal gap between the two for combination of different trains and platforms. It incorporatesramps configured to providea walkway from footboard of the train to platform. User can push his luggage over the walkway and likewise walk over it so as to transport the luggage andhim from the platform to the footboard and vice versa. In another aspect, the device enables user to transport himself and his luggage across the platform. The device can be used by elderly, temporarily disabled or wheelchair bound passengers to transport themselves and their luggage in and out of a train as well as on a platform or from one platform to another.

No. of Pages : 38 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201641035046 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AMORPHOUS SOLID DISPERSION OF TRISODIUM SACUBITRIL VALSARTAN AND A PROCESS FOR THE PREPARATION THEREOF

(51) International classification :A61K 31/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)Narasimha Murthy Pilli
4)Arabinda Sahu
5)Nitin Shimpi
6)Anil kumar Ponnuru

(57) Abstract :
The present disclosure provides solid dispersions of trisodium sacubitril valsartan. Such solid dispersions may be useful in the manufacture of pharmaceutical dosage forms.

No. of Pages : 42 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016
(21) Application No.201641035051 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND METHOD FOR PROVISIONING LOCAL POSITIONING USING CELLULAR NETWORKS

(51) International classification	:G06F 17/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)PARNANDI YOGESH
2)HARIPRIYA DS
3)SAIPRANEETHCHEEDELLA
4)CHIKKAMANIRATHNAM
5)SOORAAKSHAY

(57) Abstract :
A system and method for provisioning local positioning using cellular networks. The system comprising a plurality of location area codes for providing location information. The user performs the location search in the database/server and retrieving the location longitude and latitude information through GSM. The location latitude and longitude are displayed on the offline map. The location name is sent to the user.

No. of Pages : 14 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/10/2016

(21) Application No.201641035052 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DESIGN OF STRUCTURAL CASING FOR MOUNTNIG SOLAR PANELS

(51) International classification	:H01L 31/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)D.MUPPALA
2)K.SHARATH

(57) Abstract :
A structural casing design for forming a solar cell panel is disclosed. The structural casing for plurality of solar panels is carried to remote areas as well as places where there is an immediate requirement in electricity. The structural casing is manufactured in a way such that all the solar panels get exposed to sunlight for producing electricity. The elements used to manufacture and design the structural casing are solar panels, hinges, anglers, links and tracks. The design and fabrication of structural casing is easily assembled and disassembled.

No. of Pages : 17 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/01/2018

(21) Application No.201847001022 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VEHICLE SHIFT CONTROL DEVICE

(51) International classification :F16H61/12,B60K6/442,B60W10/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/067894
Filing Date :22/06/2015
(87) International Publication No :WO 2016/207953
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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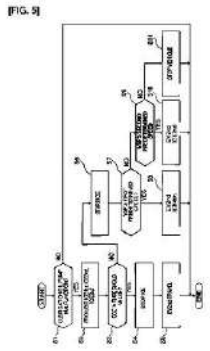
1)TSUKIZAKI, Atsushi
2)KOGA, Masato
3)FUKUDA, Hiroyuki
4)TOYOTA, Ryohey
5)YAGI, Hidekazu

(57) Abstract :
Provided is a vehicle shift control device in a vehicle provided with an oil pump for supplying lubricating oil to a gear shifting mechanism the shift control device being configured to be able to prevent seizing and damage of lubricated parts if a malfunction occurs in the oil pump. In a vehicle provided with a geared transmission (1) capable of selecting multiple shifting patterns and an electric oil pump (20) for lubrication a shifting pattern with a small lubricated part load is selected when a malfunction occurs in the electric oil pump (20).



No. of Pages : 29 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2017

(21) Application No.201744035880 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BALANCE-SPRING INTENDED TO BE SECURED BY A RESILIENT WASHER

(51) International classification :G04B17/32
(31) Priority Document No :16193768.5
(32) Priority Date :13/10/2016
(33) Name of priority country :EPO
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CUSIN, Pierre

(57) Abstract :
ABSTRACT Balance-spring intended to be secured by a resilient washer The invention relates to a collet elastically mounted on a staff whose geometry produces fewer internal stresses in particular on the contact points and the vertices of its polygonal shape. Figure 1

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2017

(21) Application No.201744035887 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TUBINE BLADE AND RELATED METHOD OF FORMING

(51) International classification :B21K3/04; B29C33/12;
(31) Priority Document No :62/407,287
(32) Priority Date :12/10/2016
(33) Name of priority country :U.S.A.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KAISER, Andreas Helmut
3)MASSEREY, Pierre-Alain
4)NEUER, Arnd

(57) Abstract :
The disclosure provides a turbine blade (100). A turbine blade (100) includes a shroud (102) at a tip (104) of the blade and an airfoil having a leading edge (106) extending between the shroud (102) and a root (108) of the blade (100); a cutout portion (110) extending at least along the leading edge (106) of the airfoil nearest the shroud (102); an insert (112) welded to the cutout portion (110) at a weld region (114); and a weld-free region (116) located between the insert (112) and the cutout portion (110) nearest the shroud (102). Fig. 2

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2017

(21) Application No.201744035911 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DIFFERENTIAL ELECTRIC SWITCHING DEVICE COMPRISING A DIFFERENTIAL FUNCTION TEST DEVICE

(51) International classification	:H02H1/06; H02H3/04;
(31) Priority Document No	:1659782
(32) Priority Date	:11/10/2016
(33) Name of priority country	:France
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)BELIN, Yves

(57) Abstract :
The present invention relates to a differential electric switching device housed in an insulating housing comprising at least one electric circuit having a fixed contact and a mobile contact, a first mechanism for controlling the closing and the opening of the contacts, with manual control using an operating handle and with automatic control, means for detecting a differential fault, means for tripping a so-called second control mechanism (3), means (22) for transmitting the trip command to the so-called first control mechanism, and means for electrically testing the differential function. This device is characterized in that these transmission means comprise a transmitter (22) linked mechanically to the abovementioned two mechanisms (3) so as to be able to transmit the trip command sent by the differential trip means to the second mechanism (3), from the second mechanism (3) to the first mechanism, and in that this device comprises means for immobilizing this transmitter (22), activated when the abovementioned test is performed, so as to prevent the transmission of the trip command to the first mechanism during at least a part of the duration of the test. Fig.2

No. of Pages : 47 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/01/2018

(21) Application No.201847000874 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LUBRICATION OF PARISON MOULDS IN A METHOD FOR PRODUCING HOLLOW GLASS PRODUCTS

(51) International classification	:C03B 40/02
(31) Priority Document No	:15182604.7
(32) Priority Date	:26/08/2015
(33) Name of priority country	:EUROPEAN UNION
(86) International Application No Filing Date	:PCT/EP2016/070211 :26/08/2016
(87) International Publication No	:WO/2017/032883
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)VALLI, Rapha«l
2)JONGERT, Dirk
3)VERI, Marco

(57) Abstract :
A method for producing a hollow glass product by an I.S. machine, said method being a press-blow or blow-blow method and implementing at least one parison mould and one blow mould, said method comprising the lubrication of said parison mould, the lubrication comprising spraying via a nozzle (105a, 105b), said nozzle (105a, 105b) being carried by the arm (105) of a mobile robot movable along the parison mould side of the I.S. machine, characterised in that said mobile robot is configured to (iv) bring said nozzle (105a, 105b) into the lubricating position after the glass gob has left the parison mould for the blow mould; (v) spray the lubricant into said parison mould; (vi) withdraw said nozzle (105a, 105b) from the lubricating position before the transfer arm returns between the two half-moulds of the parison mould.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/01/2018

(21) Application No.201847000919 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DOWNLINK AND SYNCHRONIZATION TECHNIQUES FOR NARROWBAND WIRELESS COMMUNICATIONS

(51) International classification :H04L5/00
(31) Priority Document No :62/210343
(32) Priority Date :26/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/048406
Filing Date :24/08/2016
(87) International Publication No :WO 2017/035238
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CHEN, Wanshi
3)FAKOORIAN, Seyed Ali Akbar
4)GAAL, Peter
5)PATEL ,Shimman, Arvind
6)VAJAPEYAM, Madhavan, Srinivasan
7)WANG, Renqiu
8)LEI, Jing
9)XU, Hao

(57) Abstract :
Various techniques for narrowband communications in a wireless communications network are provided. Narrowband communications may be transmitted using a single resource block (RB) of a number of RBs used for wideband communications. In order to provide for efficient device discovery and synchronization using narrowband communications a synchronization signal such as a primary synchronization signal (PSS) or secondary synchronization signal (SSS) may be transmitted within the single resource block. The synchronization signal may be transmitted for example using multiple orthogonal frequency division multiplexing (OFDM) symbols within the single RB. A common reference signal (CRS) may also be present in the single resource block which may puncture the synchronization signal in some examples. In other examples the synchronization signal may be mapped to non CRS symbols of the single resource block.

No. of Pages : 55 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201747044025 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PLATFORM FOR RATING AND SHARING ROUTE SPECIFIC DATA

(51) International classification :G01C21/34
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/043969
Filing Date :06/08/2015
(87) International Publication No :WO 2017/023329
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SEAGRAVES, Jamel
2)AICH, Sudipto
3)TANG, Chih-wei
4)REDDA, Yonathan

(57) Abstract :
The present disclosure extends to methods systems and computer program products for providing a socially based platform for rating routes of travel based on member user experience.

No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201747044029 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IN VEHICLE TRACKING APPARATUS AND METHOD

(51) International classification :G08G1/123
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/045728
Filing Date :18/08/2015
(87) International Publication No :WO 2017/030567
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)STRUMOLO, Gary Steven
4)MELCHER, David
5)MITRA, Pramita
6)HASSANI, Ali

(57) Abstract :
A method of in vehicle tracking that may begin with establishing a communication link between a mobile device and a navigation system of a vehicle. The navigation system may present driving instructions leading to a destination. Each of a plurality of locations may be serially passed over the communication link from the mobile device to the navigation system. Additionally each of the plurality of locations may be serially set as it is communicated as the destination within the navigation system. As the destination within the navigation system is updated the driving instructions leading to that destination may be updated as well.

No. of Pages : 19 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/12/2017

(21) Application No.201747044046 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A VIBRATING APPARATUS AND METHOD OF IMPROVING THE DURABILITY OF A VIBRATING APPARATUS

(51) International classification :B07B1/46,B21D28/26
(31) Priority Document No :15169477.5
(32) Priority Date :27/05/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/061951
Filing Date :26/05/2016
(87) International Publication No :WO 2016/189110
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)ELLEHUUS, Karsten Pedersen

(57) Abstract :
The vibrating apparatus has a housing (1) with a wall (2) provided with at least one aperture (3). A peripheral flange (4) protrudes from the wall (2) at the aperture (3) and has a plane surface (5) for abutment of a covering. The peripheral flange (4) is formed as an integral part of the wall (2) for instance by sheet metal forming such as drawing pressing pulling rolling and/or punching.

No. of Pages : 15 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/12/2017

(21) Application No.201747044148 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BUNDLING AND HYBRID AUTOMATIC REPEAT REQUEST OPERATION FOR ENHANCED MACHINE-TYPE COMMUNICATION

(51) International classification :H04N 21/00
(31) Priority Document No :62/198,601
(32) Priority Date :29/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/043821
Filing Date :25/07/2016
(87) International Publication No :WO 2017/019587
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)RICO ALVARINO, Alberto
2)CHEN, Wanshi
3)XU, Hao
4)GAAL, Peter

(57) Abstract :
Methods, systems, and devices for wireless communication are described. A user equipment (UE), which may be a machine-type communication device and may have a half-duplex capability, may receive grants for uplink resources and downlink resources that overlap in time. The UE may prioritize the grants and either drop the low priority grant or may monitor a non-overlapping portion of resources assigned by the lower priority grant, for example. The UE may determine an acknowledgement mode for the downlink transmission based on one or more grants or on an explicit indication from a base station in some examples. A control format indicator may be interpreted based on the grant or on the bundling size. In some cases, the UE may identify a retuning time (e.g., for switching between transmit and receive modes or for switching frequencies) and may determine uplink and downlink bundling sizes based on the retuning time.

No. of Pages : 86 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2018
(21) Application No.201847002772 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NONAQUEOUS ELECTROLYTE SECONDARY BATTERY

(51) International classification :H01M 10/052
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/069771
Filing Date :09/07/2015
(87) International Publication No :WO/2017/006480
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)OHARA, Kenji
2)WAKI, Norihisa
3)NITTA, Yoshiaki
4)AOYAGI, Masanori

(57) Abstract :
ABSTRACT NONAQUEOUS ELECTROLYTE SECONDARY BATTERY [Problem] To provide a means in which durability (cycle durability, storage durability) and input/output characteristics (cell internal resistance) of a battery can be improved at the same time, while hardly being affected by specifications of the active material that is used to configure the battery, in a nonaqueous electrolyte secondary battery such as a lithium ion secondary battery. [Solution] In a nonaqueous electrolyte secondary battery having a power-generating element comprising a positive electrode made by a positive electrode active material layer containing a positive electrode active material being formed on a surface of a positive electrode current collector, a negative electrode made by a negative electrode active material layer containing a negative electrode active material being formed on a surface of a negative electrode current collector, and a separator containing an electrolyte, the electrolyte contains an electrolyte salt, a nonaqueous solvent into which the electrolyte salt can be dissolved, a first additive selected from predetermined oxalate compounds and disulfonic acid ester compounds, and a second additive that has a reduction potential less than the reduction potential of the first additive, and that is selected from a group comprising vinylene carbonate, fluoroethylene carbonate, vinyl ethylene carbonate, 1, 3-propane sultone, 1, 4-butane sultone, 1, 3-propene sultone, succinonitrile, and adiponitrile; and, if the BET specific area of the negative electrode active material is SSA [m2/g], the ratio (liquid coefficient) of the electrolyte amount to the total void volume of the positive electrode, the negative electrode, and the separator is L, the ratio of the addition amount of the first additive to the total amount of the nonaqueous solvent and the electrolyte salt in the electrolyte is A [mass%], and the ratio of the addition amount of the second additive to the total amount of the nonaqueous solvent and the electrolyte salt in the electrolyte is B [mass%], $0.21 \leqq A \times L/SSA \leqq 0.69$ and $0.51 \leqq B \times L/SSA \leqq 1.5$ are satisfied.

No. of Pages : 44 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/12/2017

(21) Application No.201747043680 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A LOW ENERGY BUILDING

(51) International classification :F21V9/16,F21V3/04,F21K2/00
(31) Priority Document No :2015901701
(32) Priority Date :11/05/2015
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/050352
Filing Date :11/05/2016
(87) International Publication No :WO/2016/179656
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ONEILL, Chris
3)SEALE, Dallyn
4)CLARK, Mark

(57) Abstract :
The present invention relates to a building. The building includes a distributed power supply and a lighting system for being powered by the distributed power supply. The system includes distributed lights for being coupled to the distributed power supply. Covers are provided for covering respective lights. Photoluminescence is borne by each cover. Advantageously, the light charges the photoluminescence borne by the cover. In turn, the cover passively discharges and provides passive illumination in the dark by virtue of the photoluminescence. The building lighting system provides illumination for after-hours personnel in the building after the light is turned off, or in the event of a power disruption when a backup power generator is not present.

No. of Pages : 16 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201747043700 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WORK VEHICLE SUPPORT SYSTEM

(51) International classification :A01B69/00,G05D1/02
(31) Priority Document No :2015180940
(32) Priority Date :14/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/067922
Filing Date :16/06/2016
(87) International Publication No :WO 2017/047181
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)SAKAGUCHI, Kazuo
5)HAYASHI, Shigeki
6)NAKAJIMA, Tetsuya
7)SANO, Tomohiko

(57) Abstract :
A work vehicle support system according to the present invention is provided with: a vehicle position detection module that detects the position of a work vehicle; and a work unfinished area outer shape map calculation unit that calculates when performing a circulatory work run around the outer periphery of a work scheduled area an outer shape map of a work unfinished area in the work scheduled area on the basis of vehicle position data obtained by the vehicle position detection module.

No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/12/2017

(21) Application No.201747043815 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INJECTION MOLDING METHOD WITH METALLIC PIGMENT USING MAGNETIC FIELD

(51) International classification :B29C33/00,B29C33/12,B29C33/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/037164
Filing Date :23/06/2015
(87) International Publication No :WO 2016/209212
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)PAUKEN, Junko

(57) Abstract :
An apparatus for molding a part having ferromagnetic pigments is disclosed. A magnetic field generated by an electromagnet is set up adjacent the wall of the part cavity that will define the A surface of the part. A ferromagnetic pigment is combined with the resin. When the electromagnet is activated the magnetic field attracts the ferromagnetic pigment to collect near the cavity wall that will define the A surface. The apparatus of the disclosed inventive concept comprises a mold a part cavity formed in the mold and an electromagnet positioned adjacent the part cavity whereby a magnetic field can be exerted on the part cavity. The electromagnet may be of any of several types including a coil or a wire grid. The electromagnet may be embedded in the mold or may be placed adjacent to the mold.

No. of Pages : 12 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/02/2018

(21) Application No.201847004914 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ELECTRODEPOSITION SYSTEM AND ELECTRODEPOSITION METHOD

(51) International classification :C25D 13/00
(31) Priority Document No :2015-141511
(32) Priority Date :15/07/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/070657
Filing Date :13/07/2016
(87) International Publication No :WO/2017/010504
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)KAWANAMI, Akira
5)KOUNO, Shintarou
6)TOOKA, Shigetaka
7)KUROKAWA, Shizuko

(57) Abstract :
In an electrodeposition system, the final quality of a coating is prevented from being degraded due to a coating material-containing aqueous solution flowing out of a steel plate mating portion during a drying process, while derivative problems such as an increase in the size of the system, an increase in the initial costs and the running costs, and a decrease in reliability are avoided. A washing zone that is subsequent to an electrodeposition zone in which an object to be coated is immersed in a coating material solution for electrodeposition so that a coating is formed on a surface of the object to be coated is provided with: a hot water washing tank in which the coated object is washed by being immersed in high-temperature washing water in the tank; and a spray washer that sprays a steel plate mating portion of the coated-object with high-temperature washing water, subsequent to washing in the hot water washing tank.

No. of Pages : 35 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034481 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : 2-(1H-INDOL-3-YL)-2-OXO-ACETAMIDE DERIVATIVES AS ANTICANCER AGENTS

(51) International classification	:C07D 417/00,A61K 45/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)GUGGILAPU SRAVANTHI DEVI
3)V. G. M. NAIDU
4)GUNTUKU LALITA
5)ATULYA NAGARSENKAR
6)SANTOSH KUMAR PRAJAPTI

(57) Abstract :
The present invention provides compounds of formula (I) or a pharmaceutically acceptable salt or stereoisomer thereof that are useful as potential anticancer agents against human cancer cell lines. The present invention also provides a process for preparing the said compounds.

No. of Pages : 52 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034484 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BIOTECHNOLOGICAL HANDWASH

(51) International classification	:A61K 8/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)A. Vasavi
3)Shaik Musfera
4)Nur ul Hasan
5)Mohd Ghous uddin
6)Dr. Rohini Rondla

(57) Abstract :
One of the hygienic practices, hand wash is used for maintaining microbial free, dirt free and odourless hands. Commercial hand washes are having detergents, hand wash base, Triclosan, preservatives, thickening agents and essences. Many of these chemicals are known for causing allergies to human tissues and inefficient in killing broad range microorganisms. In the current invention,we disclose a biotechnological hand wash preparation and its usage for efficient and ecological maintenance of hands. Biotechnological handwash is prepared with urease, Bromelain and papain, thickening agents, essences, FeC13 as required. The preparation was efficient in removing microbes, dirt and odour efficiently without damaging the hands and palm texture.

No. of Pages : 10 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201641034492 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NOVEL POLYMORPH OF 4-{6-[6-(1-BUTOXYL-VINYL)-8-CYCLOPENTYL-5-METHYL-7-OXO-7, 8-DIHYDRO PYRIDO[2,3-D]PYRIMIDIN-2-YLAMINO]-PYRIDIN-3-YL}-PIPERAZINE-1-CARBOXYLIC ACID TERTIARY BUTYL ESTER •

(51) International classification	:C08F 222/10
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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2)Dnyandeo Punde
3)Rajendra Yadav
4)Yogesh Wakchaure

(57) Abstract :
The present disclosure provides a novel polymorph of an intermediate useful in the preparation of palbociclib. The polymorph has enhanced properties that influence process ability of the intermediate and synthesis of palbociclib.

No. of Pages : 15 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005687 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SADDLE RIDING TYPE VEHICLE

(51) International classification :B62J 35/00
(31) Priority Document No :201510441699.X
(32) Priority Date :24/07/2015
(33) Name of priority country :China
(86) International Application No :PCT/JP2016/071368
Filing Date :21/07/2016
(87) International Publication No :WO/2017/018309
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KANG, Mingchuang
3)FANG, Liwen

(57) Abstract :
A saddle riding type vehicle (1) includes handlebars (6), a seat (41) disposed behind the handlebars (6), an accommodating member (40) disposed between the handlebars (6) and the seat (41) and configured to accommodate a prescribed object, and an outer cover member (100) configured to cover a side of the accommodating member (40), the handlebars (6) are supported by a head pipe (11), the outer cover member (100) extends from a front end (41a) of the seat (41) to a front side of the accommodating member (40) in a forward/rearward direction and has an opening (101) extending in an upward/downward direction to an intermediate position of the outer cover member in the forward/rearward direction, and an inner cover member (110) disposed on an inner side of the outer cover member (100) and configured to cover at least a portion of the opening (101) is provided.

No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005698 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD, TERMINAL, AND NON-VOLATILE COMPUTER READABLE STORAGE MEDIUM FOR TRACKING FACIAL CRITICAL AREA

(51) International classification :G06K 9/00
(31) Priority Document No :201510922450.0
(32) Priority Date :11/12/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/081631
Filing Date :11/05/2016
(87) International Publication No :WO/2017/096753
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
METHOD, TERMINAL, AND NON-VOLATILE COMPUTER READABLE STORAGE MEDIUM FOR TRACKING FACIAL CRITICAL AREA ABSTRACT A facial critical area tracking method includes accessing a frame of image in a video file; accessing a frame of image in a video file; obtaining a coordinate frame data of a facial part in the frame of image by detecting a position of the facial part; determining initial coordinate frame data of a critical area in the facial part according to the coordinate frame data; and obtaining coordinate frame data of the critical area according to the initial positions of the face key points; and repeatedly performing the following steps: accessing an adjacent next frame of image in the video file; obtaining initial coordinate frame data of the critical area in the facial part for the adjacent next frame of image by using the coordinate frame data of the critical area in the frame; and obtaining coordinate frame data of the critical area for the adjacent next frame of image according to the initial coordinate frame data of the critical area in the adjacent next frame of image. Fig.2

No. of Pages : 35 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/02/2018

(21) Application No.201847004513 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : HETEROARYL COMPOUNDS AS IRAK INHIBITORS AND USES THEREOF

(51) International classification :C07D 413/14
(31) Priority Document No :62/220,307
(32) Priority Date :18/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052104
Filing Date :16/09/2016
(87) International Publication No :WO/2017/049068
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LAN, Ruoxi
3)CHEN, Austin
4)CLARK, Ryan C.

(57) Abstract :
The present invention relates to compounds of Formula I and pharmaceutically acceptable compositions thereof, useful as IRAK inhibitors.

No. of Pages : 265 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/02/2018

(21) Application No.201847004518 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FACILITATING LANE-SPLITTING BY MOTORCYCLES

(51) International classification :B60Q 1/50 (2006.01)
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/056446
Filing Date :20/10/2015
(87) International Publication No :WO/2017/069740
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
A controller of a motorcycle determines that the motorcycle is lane-splitting. The controller transmits a notification to vehicles in proximity to the motorcycle. In response to the notifications, the vehicles facilitate lane-splitting by the motorcycle. In particular the vehicles may flash lights to communicate that the vehicle has received the notification and will facilitate lane-splitting. The vehicles may facilitate lane-splitting by refraining from performing lane changes. The vehicles may further notify the motorcycle if lane changes are needed and the motorcycle controller may provide an alert to a rider.

No. of Pages : 35 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/02/2018

(21) Application No.201847004553 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND IMAGE FORMING APPARATUS FOR GENERATING WORKFLOW OF IMAGE FORMING JOB

(51) International classification :H04N 1/00
(31) Priority Document No :10-20150119821
(32) Priority Date :25/08/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/006755
Filing Date :24/06/2016
(87) International Publication No :WO/2017/034139
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)SUN-YOUNG MOON
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7)CHANG-WOOK YOON

(57) Abstract :
METHOD AND IMAGE FORMING APPARATUS FOR GENERATING WORKFLOW OF IMAGE FORMING JOB ABSTRACT
A method of generating a workflow of an image forming job is disclosed. The method includes: providing a list of selectable first functions; receiving a user input for selecting a first function from the list of first functions; providing a list of second functions that are continuously executable to the selected first function by using information about output data of the selected first function; receiving a user input for selecting a second function from the list of second functions; and generating a workflow defined to sequentially execute the selected first function and second function.

No. of Pages : 42 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/02/2018

(21) Application No.201847004555 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : REDOX FLOW BATTERY WITH CARBON DIOXIDE BASED REDOX COUPLE

(51) International classification :H01M 8/18
(31) Priority Document No :62/190,135
(32) Priority Date :08/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CA2016/050770
Filing Date :30/06/2016
(87) International Publication No :WO/2017/004705
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)GYENGE, ELOD LAJOS

(57) Abstract :
REDOX FLOW BATTERY WITH CARBON DIOXIDE BASED REDOX COUPLE ABSTRACT A redox flow battery where the negative electrode uses carbon dioxide based redox couples. The negative electrode contains a bifunctional catalyst that allows for the reduction of carbon dioxide to carbonaceous species (e.g., formic acid, oxalic acid or their salts) in the battery Charge (i.e., energy storage) mode, and for the oxidation of the above-mentioned carbonaceous species in the battery discharge (i.e., energy generation) mode. The positive electrode of the battery can utilize a variety of redox couples including but not restricted to bromine-bromide, chlorine-chloride, vanadium (IV)-vanadium (V), chromium (Ill)-dichromate (VII), cerium (III) - cerium (IV), oxygen - water (or hydroxide).

No. of Pages : 28 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/02/2018

(21) Application No.201847004654 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : GRAFTED ISLANDS-IN-THE-SEA NONWOVEN FOR HIGH CAPACITY ION EXCHANGE BIOSEPARATION

(51) International classification :B01D 71/48
(31) Priority Document No :62/198,862 (US)
(32) Priority Date :30/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044505
Filing Date :28/07/2016
(87) International Publication No :WO/2017/019874
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)HELLER, Michael Leonard
2)CARBONELL, Ruben G
3)POURDEYHIMI, Behnam

(57) Abstract :
The invention provides polymer-grafted and functionalized nonwoven membranes adapted for use in bioseparation processes, the membranes including a nonwoven web of polyester fibers having an average fiber diameter of less than about 1.5 microns, each of the plurality of polyester fibers having grafted thereon a plurality of polymer segments constructed of a methacrylate polymer, each polymer segment carrying a functional group adapted for binding to a target molecule. The invention also provides a method of bioseparation comprising passing a solution comprising the target molecule, such as a protein, through the nonwoven membrane of the invention such that at least a portion of the target molecule in the solution binds to the nonwoven membrane. A method for preparing a polymer-grafted and functionalized nonwoven membrane adapted for use in bioseparation processes is also provided.

No. of Pages : 45 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005357 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : RF TRANSMIT MODULE WITH A LOCAL FIELD MONITORING UNIT FOR A MAGNETIC RESONANCE EXAMINATION SYSTEM

(51) International classification :G01R 33/3415
(31) Priority Document No :15176782 .9
(32) Priority Date :15/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/066480
Filing Date :12/07/2016
(87) International Publication No :WO/2017/009315
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LEUSSLE R , Christoph
2)VERNICKEL , Peter

(57) Abstract :
ABSTRACT: An radio frequency (RF) transmit module for a magnetic resonance examination system is disclosed. The local field monitoring unit measures the field emitted by an RF transmission element and generates a puc-signal. The puc-signal is amplified and frequency-down-converted by mixing with an oscillator signal. The frequency-down-converted puc-signal and the RF drive signal for the RF transmission element as transferred over the common signal lead. The oscillator signal may also be transferred over the common signal lead.

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018
(21) Application No.201847005359 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DEVICE FOR REMOTE FLUOROSCOPY, NEARBY FLUOROSCOPY AND RADIOLOGY

(51) International classification :A61B 6/04
(31) Priority Document No :15177096.3
(32) Priority Date :16/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/066701
Filing Date :13/07/2016
(87) International Publication No :WO/2017/009398
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SCHRAVEN, Eckhardt Henricus Matheus

(57) Abstract :
ABSTRACT: The invention concerns a device (102) for X-ray imaging, comprising a device mount (104) and an arm (106) movably connected to said device mount for rotation, relative to said device mount, around a device axis of rotation (108). The device (102) furthermore comprises an X-ray source (110) for emitting an X-ray beam (111) and an X-ray detector (112). In addition the system (102) comprises a carrier (114) having a U-arm geometry, wherein said U-arm geometry is provided with mutually facing portions (116, 118) and an intermediate portion (120) connecting said mutually facing portions (116, 118); wherein said mutually facing portions (116, 118) are configured for carrying said X-ray source (110) and said X-ray detector (112), respectively; and wherein said intermediate portion is movably connected to the arm (106) for rotation, relative to said arm (106) , around a carrier axis of rotation (122) substantially perpendicular to the device axis of rotation (108).

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005360 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DIGITAL PATHOLOGY SYSTEM

(51) International classification	:G06T 7/00, G02B 21/3
(31) Priority Document No	:15176985.8
(32) Priority Date	:16/07/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/066884 :15/07/2016
(87) International Publication No	:WO/2017/009450
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)BOAMFA, Marius Iosif
2)PIERIK, Anke
3)WIMBERGER-FRIEDL, Reinhold
4)VAN LEEUWEN, Marinus Bastiaan

(57) Abstract :
(EN)The present invention relates to digital pathology. In order to improve the workflow in the process of selecting a region of interest of an unstained sample to be removed for molecular diagnostic, a method (100) is provided for selecting a sample removing area of an unstained sample to be removed for molecular diagnostic. The method comprises the following steps: In a first step 102, also referred to as step a), a reference removing area is selected in a reference image of a reference slice of an object, wherein biological material in the reference slice is stained. In a second step 104, also referred to as step b), a digital sample image of a sample slice of the object is obtained under an imaging setting. The biological material in the sample slice is unstained. The sample slice is received on a sample slide and positioned in an optical path between a light source and an image detector. In the optical path between the light source and the image detector, it is further provided a contrast enhancing arrangement for improving contrast between the unstained biological material and background. Light is provided passing through the sample slice to be received by the image detector. In a third step 106, also referred to as step c), the digital sample image is registered with the reference image for translating the reference removing area in the reference image to the digital sample image. In a fourth step 108, also referred to as step d), a sample removing area is identified in the digital sample image based on the translated reference removing area. (FR)La prsente invention se rapporte la pathologie numrique. Linvention vise amliorer le flux de travail dans le processus de slection dune rgion dintr ª t dun chantillon non color qui doit ª tre prlev des fins de diagnostic molculaire. A cet effet, linvention concerne un procd (100) pour slectionner une zone de prl¨vement dun chantillon non color qui doit ª tre prlev des fins de diagnostic molculaire. Le procd comprend les tapes suivantes : dans une premi¨re tape 102, galement appele tape a), une zone de prl¨vement de rfrence est slectionne dans une image de rfrence dune tranche de rfrence dun objet, un matriel biologique dans la tranche de rfrence tant color. Dans une deuxi¨me tape 104, galement appele tape b), une image chantillon numrique dune tranche chantillon de lobjet est obtenue sous un rglage dimagerie. Le matriel biologique dans la tranche chantillon est non color. La tranche chantillon est re§ue sur une lame porte-chantillon et positionne dans un chemin optique entre une source de lumi¨re et un dtecteur dimage. Dans le chemin optique entre la source de lumi¨re et le dtecteur dimage, il est prvu en outre un agencement damlioration de contraste pour amliorer le contraste entre le matriel biologique non color et larri¨re-plan. La lumi¨re passe travers la tranche chantillon de mani¨re pouvoir ª tre re§ue par le dtecteur dimage. Dans une troisi¨me tape 106, galement appele tape c), limage chantillon numrique est enregistre avec limage de rfrence pour translater la zone de prl¨vement de rfrence dans limage de rfrence vers limage chantillon numrique. Dans une quatri¨me tape 108, galement appele tape d), une zone de prl¨vement dchantillon est identifie dans limage chantillon numrique sur la base de la zone de prl¨vement de rfrence translate.

No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005361 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WIRELESS ULTRASOUND PROBE PAIRING WITH A MOBILE ULTRASOUND SYSTEM

(51) International classification	:A61B 8/00 (2006.01)
(31) Priority Document No	:62/193210
(32) Priority Date	:16/07/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/IB2016/053998 :04/07/2016
(87) International Publication No	:WO/2017/009735
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)BELL, Kristy
2)POLAND, McKee Dunn
3)HUNT, Alexander

(57) Abstract :
(EN)A mobile ultrasound system will pair with a wireless ultrasound probe for exclusive communication between the two for an ultrasound exam when the wireless probe is brought to within a predetermined distance of the mobile ultrasound system. The ultrasound system determines that the wireless probe is within the predetermined distance from the strength of the signal received by the system from the wireless probe. Pairing can proceed automatically when a wireless probe is within the predetermined distance, or after a user actuates a control to initiate the pairing. The ultrasound system may display the identity of a probe within range on the display of the system for selection by the user so that the user will be confident that pairing will be done with the desired wireless probe.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018
(21) Application No.201847005362 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INFORMATION TRANSFORMATION IN DIGITAL PATHOLOGY

(51) International classification :G06T 7/00, G06T 11/0
(31) Priority Document No :15176980.9
(32) Priority Date :16/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/066540
Filing Date :12/07/2016
(87) International Publication No :WO/2017/009337
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)VINK, Jelte Peter
2)VLUTTERS, Ruud
3)PIERIK, Anke
4)HULSKEN, Bas
5)WIMBERGER-FRIEDL, Reinhold
6)NEERKEN, Sieglinde

(57) Abstract :
The present invention relates to an illustration of an annotation (22) at a sample slide (14). It is the intention for the invention to copy the annotation (22) provided at a reference slide (12) to the sample slide (14). Typically, a reference image (26) of the reference slide (12) is provided, in particular by scanning the reference slide (12). The reference image (26) therefore has the information about a reference slice (16) which is carried by the reference slide (12). Furthermore, the reference slide (12) has been marked with a region of interest (20) and the annotation (22), which can be associated with the region of interest (20). If such reference slide (12) is scanned, the respective reference image (26) comprises the information about the marked region of interest (20) as well as the annotation (22), too. Furthermore, the sample slide (14) carrying a sample slice (18) can be scanned, in order to provide a sample image (28). The sample slice (18) and the reference slice (16) are cut from the same object (10) of a biological material. In particular, the sample slice (16) has been cut directly after a cut of a material block has been preformed to provide the reference slice (18). Since the reference slice (16) and the sample slice (18) are from the same object (10), their features are very likely that the reference image (26) and the sample image (28) are very similar. Due to this similarity, the annotation (22) of the reference slide (12) is copied on a basis of an image recognition between reference image (26) and the sample image (28) to the sample slide (14).

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005704 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INDUCTIVE WIRELESS POWER TRANSFER WITH SYNCHRONIZED POWER MEASUREMENT

(51) International classification :H02J 7/02
(31) Priority Document No :15177706.7
(32) Priority Date :21/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/066765
Filing Date :14/07/2016
(87) International Publication No :WO/2017/012979
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)VAN WAGENINGEN, Andries
2)STARING, Antonius Adriaan Maria

(57) Abstract :
NA

No. of Pages : 28 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005707 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LASER PRINTING SYSTEM

(51) International classification :B41J 2/447
(31) Priority Document No :15178084.8
(32) Priority Date :23/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/067513
Filing Date :22/07/2016
(87) International Publication No :WO/2017/013242
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Deppe, Carsten

(57) Abstract :
The invention describes a laser printing system (100) for illuminating an object (70) in a working plane (80). The object (70) moves relative to a print head (50) of the laser printing system (100). The print head (50) comprises a total number of laser modules (150), each laser module (150) comprises at least one laser array (110) of lasers (115). At least two of the laser modules (150) share an electrical power supply (20). The laser printing system (100) further comprises a controller (10) being adapted such that at maximum processing speed of the print head (50) only a predefined number of laser modules (150) can be driven at nominal electrical power, wherein the predefined number of laser modules (150) is smaller than the total number of laser modules. The invention further relates to a corresponding method of laser printing. The laser printing system and the method allow designing the laser printing system for, for example, only 20% of the total power which would be required to drive all lasers at nominal electrical power while having only slightly reduced processing speed.

No. of Pages : 44 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005708 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BRAKING ENERGY RECOVERY SYSTEM FOR AN ELECTRIC MOTOR AND METHOD

(51) International classification :H02P 3/00
(31) Priority Document No :62/197759
(32) Priority Date :28/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/068062
Filing Date :28/07/2016
(87) International Publication No :WO/2017/017214
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LINDBERG, Paul Michael
2)Norbert Daberko, Per

(57) Abstract :
ABSTRACT A braking energy recovery system (50) for an electric motor (62) comprises first regulator (52), energy storage device (54), second regulator (56), sensor (60), and controller (58). The first regulator (52) outputs a DC link voltage to the energy storage device (54). The second regulator (56) couples to the energy storage device and outputs a motor drive signal to the electric motor (62). The sensor (60) senses an operating characteristic of the electric motor. The controller (58) outputs to the first regulator an energy management signal (74) that comprises a time variant signal as a function of (i) motor speed and/or (ii) back EMF determined via the sensed characteristic, whereby the first regulator dynamically regulates the DC link voltage to maintain substantially constant an energy balance that comprises a sum of (a) rotational and/or linear kinetic energy of the electric motor and (b) energy stored in the energy storage device.

No. of Pages : 42 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005709 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WORKFLOW OF NEEDLE TIP IDENTIFICATION FOR BIOPSY DOCUMENTATION

(51) International classification	:A61B10/02; A61B90/00
(31) Priority Document No	:62/197612
(32) Priority Date	:28/07/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/IB2016/054259 :28/07/2016
(87) International Publication No	:WO/2017/017556
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)YAN, Pingkun
2)KRUECKER, Jochen
3)THOMPSON, Scott Frederic
4)LIN, Wei
5)COONS, Samuel

(57) Abstract :
)An interventional instrument (16) is inserted into a patient (14) to perform an interventional medical procedure guided by a medical imaging device (10). A trigger control (26) is activated. An electronic data processing device (30) is programmed to operate the medical imaging device to: acquire and display video (50) of the interventional instrument (16) inserted into the patient; detect activation of the trigger control; in response to the detecting, process a video segment (54) of the acquired video to identify a trigger image (60) as a frame of the video segment capturing a medical intervention event performed by the interventional instrument and a location (62) of the medical intervention event in the identified trigger image; and display a still image of the identified trigger image with a superimposed marker (102) indicating the identified location of the medical intervention event. (FR)Selon la prsente invention, un instrument dintervention (16) est insr dans un patient (14) pour effectuer une procdure mdicale dintervention guide par un dispositif dimagerie mdicale (10). Une commande de dclenchement (26) est active. Un dispositif de traitement de donnes lectronique (30) est programm pour actionner le dispositif dimagerie mdicale pour : acqurir et afficher une vido (50) de linstrument dintervention (16) insr dans le patient ; dtecter lactivation de commande de dclenchement ; en rponse la dtection, traiter un segment de vido (54) de la vido acquise pour identifier une image de dclenchement (60) en tant que trame du segment vido capturant un vnement dintervention mdicale effectu par linstrument dintervention et un emplacement (62) de lâ™vnement dintervention mdicale dans limage de dclenchement identifie ; et afficher une image fixe de limage de dclenchement identifie avec un marqueur superpos (102) indiquant lemplacement identifi de lvnement dintervention mdicale

No. of Pages : 26 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005363 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DEVICE AND METHOD FOR DETERMINING A POSITION OF A MOBILE DEVICE IN RELATION TO A SUBJECT

(51) International classification :G06T 7/20
(31) Priority Document No :15177248.0
(32) Priority Date :17/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/066738
Filing Date :14/07/2016
(87) International Publication No :WO/2017/012969
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)VAN BREE, Karl Catharina
2)VELTHOVEN, Leo Jan

(57) Abstract :
The invention relates to a device (1) and a method for determining a relational position of a mobile device (14, 14). An embodiment provides for equipping the mobile device (14, 14) with a light source (15) to project a light image on the subject (18) during use, while a camera equipped device (12) is observing the subject (18). The camera (13) is used to identify both landmarks (19) on the subjects face and the light image (17) allowing the position of the device (14, 14) relative to the user (18) to be calculated. This system may use the computing power in the camera equipped device (12) for image analysis, and no advanced processing needs to be performed by the mobile device (14, 14). Further, no communication between the mobile device (14, 14) and the camera equipped device (12) is required to establish the relative position of the personal care device.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005364 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A DEVICE FOR PREPARING FOOD INGREDIENTS

(51) International classification	:A23D9/00; A23L1/10;
(31) Priority Document No	:PCT/CN2015/084453
(32) Priority Date	:20/07/2015
(33) Name of priority country	:PCT
(86) International Application No Filing Date	:PCT/EP2016/067259 :20/07/2016
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)IVARSSON, Bengt Ivar Anders
2)JIANG, Ou O
3)WAN, Vicki

(57) Abstract :
A device for preparing food ingredients The present application relates to a device (1) for preparing food ingredients, comprising ajar (5) for receiving food ingredients, and an accessory (6) configured to rotate in the jar (5) along a vertical axis (X). The accessory (6) comprises a central body (7) extending along the vertical axis (X), at least one blunt blade (8a, 8b) extending radially from the central body (7), and at least one wing (9a, 9b) extending radially from the central body (7). The at least one wing (9a, 9b) is inclined downwards in direction of the tangential direction (D) of the rotation movement of the accessory (6).

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005380 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM, DEVICE AND METHOD FOR USE IN A SOFTWARE DEFINED CONTROL APPLICATION

(51) International classification	:H04L 12/24 (2006.01)
(31) Priority Document No	:15183126.0
(32) Priority Date	:31/08/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/068322 :01/08/2016
(87) International Publication No	:WO/2017/036702
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KAAG, Bjorn, Christiaan, Wouter

(57) Abstract :
The present invention provides a management system enabled to control power modes of the network components, such as data forwarding components as well as end nodes, e.g. application control components, according to a global application plan. Controlling the power modes may comprise switching off network components of the control network or parts thereof to save energy without losing capabilities of said control network. For instance, a data-forwarding device having switchable data port can be used to switch off communication paths in efficio • through the control network, especially if the end node is a PoE device. Furthermore, a protocol to receive a schedule for unattended operation is provided, thereby enabling improved energy usage. FIG. 3

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005381 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MESH NETWORK NODE

(51) International classification	:H04W 84/18 (2009.01)
(31) Priority Document No	:15182711.0
(32) Priority Date	:27/08/2015
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2016/067375
Filing Date	:21/07/2016
(87) International Publication No	:WO/2017/032517
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)VAN DER GEER, Paul
2)THIJSSEN, Paulus, Thomas, Arnoldus

(57) Abstract :
Proposed is a network node (102) for a mesh network (100). The network node comprises a processing unit (202) adapted to determine an indicator of reliability of the network node. The network node also comprise a control unit (220) adapted to configure the network node to operate in either a router configuration or an end-node configuration based on the determined indicator of reliability of the network node. The network node may thus adapt its configuration based on its reliability. Fig. 1

No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018
(21) Application No.201847005382 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM, DEVICE AND METHOD FOR CONTROLLING NETWORK APPLICATIONS

(51) International classification :H01J 31/52
(31) Priority Document No :15183131.0
(32) Priority Date :31/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068959
Filing Date :09/08/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KAAG, Bjorn, Christiaan, Wouter

(57) Abstract :
The present invention relates to a control system, in particular a lighting control system, having a control line to control power modes of network components, such as data forwarding components as well as end nodes, e.g. application control components, according to a global application plan. Controlling the power modes may comprise switching off data-ports in the control network. A data-forwarding device having switchable data port can be used to switch off data paths in efficio • through the control network. Furthermore, a protocol to interrogate the status of a network component as well as to receive a schedule for unattended operation is provided, thereby enabling improved energy usage and enhanced safety. Fig.6

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2017

(21) Application No.201747045935 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AN APPARATUS FOR TRANSFER OF PHARMACEUTICAL ARTICLES FROM A COUNTING MACHINE TO INTERNALLY OF CONTINUOUSLY ADVANCING CONTAINERS

(51) International classification :G01F11/00
(31) Priority Document No :1020150000 18152
(32) Priority Date :27/05/2016
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2016/053082
Filing Date :26/05/2016
(87) International Publication No :WO 2016/18948 5
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MONTI, Giuseppe

(57) Abstract :
ABSTRACT AN APPARATUS FOR TRANSFER OF PHARMACEUTICAL ARTICLES FROM A COUNTING MACHINE TO INTERNALLY OF CONTINUOUSLY ADVANCING CONTAINERS The apparatus (D) for transferring pharmaceutical articles from a counting machine (MC) to internally of containers (C) advancing continuously along a conveyor line (L) comprises a first series of tubular elements (T1) and at least a second series of tubular elements (T2) such a to be able to freely receive the pharmaceutical articles internally thereof. The apparatus (D) comprises a first looped movement organ (1) for moving the first series of tubular elements (T1) and at least a second looped movement organ (2) for moving the second series of tubular elements (T2), activatable independently of one another, in both a stepped fashion and continuously, and having a shape such as each to define a looped movement pathway (PC) for the tubular elements (T1, T2) comprising a first straight movement portion (R1) below the counting machine (MC) so that the tubular elements (T1, T2) can be halted for receiving therefrom the counted articles, and a second straight portion (R2) above the conveyor line (L) of the containers (C), so that the tubular elements (T1, T2) can be moved at the same velocity above the containers (C) and release the articles therein.

No. of Pages : 62 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/12/2017

(21) Application No.201747045936 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AN APPARATUS FOR WINDING FOLDING AND STRETCHING A FILM ABOUT A PRODUCT IN PARTICULAR A CONTAINER CONTAINING COSMETIC PRODUCTS

(51) International classification :B65B49/10,B65B49/14,B65B11/12
(31) Priority Document No :102015000026990
(32) Priority Date :24/06/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2016/053329
Filing Date :07/06/2016
(87) International Publication No :WO 2016/207753
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MONTI ,Giuseppe

(57) Abstract :
The apparatus (100) for winding folding and stretching a film (F) about a product or groups of products in particular about a container (A) containing cosmetic products comprising: a winding station (S) in which a film (F) is wound about longitudinal walls of a container (A) so as to form a tubular winding of the film (T); a sliding plane (A) wound in the tubular winding of film (T); and a pushing device (1) for pushing the enveloped container (A) into the tubular winding of film (T) along the sliding plane (P). The pushing device (1) comprises a series of paddles (11) mounted distanced from one another so as to push time by time the container (A) along the sliding plane (P). The apparatus (100) comprises: a pair of wings (3) mounted and predisposed rotatably on a corresponding end of a paddle (15) of the series of paddles (11): the wings (3) are activated in rotation with respect to the paddle (15) so that the wings (3) can first abut the backward portion (50) of the ends (51) of the tubular winding of film (T) and continuing in rotation thereof (W) with respect to the paddle (15) can fold and extend the backward portion (50) against the heads of the container (A) during the translation of the paddle (15) above the sliding plane (P).

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/02/2018

(21) Application No.201847006353 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MOLECULAR QUALITY ASSURANCE METHODS FOR USE IN SEQUENCING

(51) International classification :C07H 21/04
(31) Priority Document No :62/233,074
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/055722
Filing Date :23/09/2016
(87) International Publication No :WO2017/ 051387
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)Samuel Aparicio
2)Sohrab Shah
3)Rosala AguirreHern¡ndez
4)Leah Prentice
5)Patrick Franchini
6)Jaswinder Singh Khattra
7)Tong He

(57) Abstract :
MOLECULAR QUALITY ASSURANCE METHODS FOR USE IN SEQUENCING The present invention relates to quality assurance methods for use in amplification techniques, such as Next Generation Sequencing (NGS).

No. of Pages : 107 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/02/2018

(21) Application No.201847006356 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COMPOSITIONS AND METHODS FOR MEASURING BLOOD GLUCOSE LEVELS

(51) International classification :C12N 9/06
(31) Priority Document No :62/195,900
(32) Priority Date :23/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/001150
Filing Date :22/07/2016
(87) International Publication No :WO/2017/013495
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)GUTTMAN, Chen, Haim
2)BARAM, David
3)GOFBERG, Itamar Oz
4)OMER, Dotan

(57) Abstract :
In some embodiments, the present invention a mutated FAD-GDHa protein, wherein the mutated FAD-GDHa protein is mutated from a wild-ty contain at least one point mutation, wherein the mutated FAD-GDHα protein comprises:
P(X)n=8X4(X)n=16V(X)n=6RN(X)n=3YDXRPXCXGX3NNCMP(X)n=1CP(X)n=2A(X)n=1Y(X)n=1G(X)n=6A(X)n=2AG(X)n=6AVV(X)n=
9A(X)n=2Y(X)n=1D(X)n=5HRV(X)n=5V(X)n=2A(X)n=3E(X)n=2K(X)n=4S(X)n=5P(X)n=1G(X)n=2N(X)n=4GRN(X)n=1MDH(X)n=4V(X
7W(X)n=1GRGP(X)n=9RDGXX5R(X)n=19T(X)n=14L(X)n=14X2(X)n=1X1(X)n=1E(X)n=4P(X)n=1NR(X)n=3S(X)n=4D(X)n=2G(X)n=7Y
35, wherein each X represents a wild-type amino acid residue of the first species and n indicates the number of the wild-type amino acid residue species represented by a respective parenthetical at that position, wherein: a) X1 is selected from the group consisting of X, S, C, T, M, V, Y, N, D, W, H, and E, wherein if X1 is L, H or V, then X2 is D; b) X3 is selected from the group consisting of G, H, D, Y, S, and X; c) X4 is selected consisting of S and X; and d) X5 is selected from the group consisting of S and X

No. of Pages : 222 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005726 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LASER SENSOR FOR PARTICLE SIZE DETECTION

(51) International classification	:G01N 15/14 (2006.01)
(31) Priority Document No	:15179036.7
(32) Priority Date	:30/07/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/068270 :01/08/2016
(87) International Publication No	:WO/2017/017282
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)VAN DER LEE, Alexander Marc
2)HELLMIG, Joachim Wilhelm
3)SPRUIT, Johannes Hendrikus Maria

(57) Abstract :
The invention describes a laser sensor module (100) for particle size detection. The laser sensor module (100) comprises at least one first laser (110), at least one first detector (120), at least one electrical driver (130) and at least one evaluator (140). The first laser (110) is adapted to emit first laser light in reaction to signals provided by the at least one driver (130). The at least one first detector (120) is adapted to determine a first self-mixing interference signal (30) of an optical wave within a first laser cavity of the first laser (110). The first self-mixing interference signal (30) is caused by first reflected laser light reentering the first laser cavity, the first reflected laser light being reflected by a particle receiving at least a part of the first laser light. The evaluator (140) is adapted to determine a size of the particle by determining a first relative distance between the particle and the first laser (110) by means of the first self-mixing interference signal (30) and by determining a first amplitude information by means of the first self-mixing interference signal (30). The invention is further related to a corresponding method of determining a particle size.

No. of Pages : 35 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005728 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WATER LOCK TO PREVENT WATER INGRESS

(51) International classification :C02F 1/32
(31) Priority Document No :15179082.1
(32) Priority Date :30/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/067223
Filing Date :20/07/2016
(87) International Publication No :WO/2017/016940
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)JANSSEN, Esther Anna Wilhelmina Gerarda
2)SALTERS, Bart Andre
3)Boudewijn, ROELANT
4)VISSER, Cornelis Gerardus

(57) Abstract :
The invention provides an element (210) comprising: (i) an electrical component (1220); (ii) an optical medium (270) comprising medium material (275) comprising a silicone transmissive for one or more of UV radiation and visible radiation, wherein the electrical component (1220) is embedded in the optical medium (270); (iii) an electrical connector (510) for functionally coupling the electrical component (1220) external to the optical medium (270), wherein the electrical connector (510) is embedded in the optical medium (270) over at least part of its length; and (iv) a water barrier (530) at least partly embedded in the optical medium (270) and configured to enclose at least part of the electrical connector (510).

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005729 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : HAIR GROWTH STIMULATION

(51) International classification :A61N 7/00
(31) Priority Document No :15178818.9
(32) Priority Date :29/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068074
Filing Date :28/07/2016
(87) International Publication No :WO/2017/017218
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)THUMMA, Kiran Kumar
2)BOURQUIN, Yannyk Parulian Julian

(57) Abstract :
Hair growth stimulating device to obtain a non-chemical hair growth stimulation comprising an ultrasound transducer (UST), and a driver (DE) for the ultrasound transducer, wherein the driver is arranged for having the ultrasound transducer (UST) generate an ultrasound signal having a frequency not exceeding 100 kHz, preferably 20 kHz, at a power not exceeding 500 mW/cm2, preferably 250 mW/cm2. The frequency may be subject to a frequency sweep not exceeding 20%, preferably 10%. Pulses having a pulse width between 10 ms and 500 ms may be used.

No. of Pages : 8 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005730 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ULTRASONIC HAIR STYLING

(51) International classification :A45D 2/00
(31) Priority Document No :15178824.7
(32) Priority Date :29/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068102
Filing Date :23/07/2016
(87) International Publication No :WO/2017/017236
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)THUMMA, Kiran Kumar
2)SPOORENDONK, Wouter Hendrik Cornelis
3)PALERO, Jonathan Alambra
4)BOURQUIN, Yannyk Parulian Julian

(57) Abstract :
ABSTRACT: A hair styler uses ultrasound at an ultrasound frequency of at least 1 MHz to get a non-chemical hair styling. Advantageously, the ultrasound frequency is between 1 and 100 MHz, preferably between 3 and 10 MHz, and more preferably between 3 and 5 MHz. The ultrasound energy is preferably applied at a power that is at least 1 W/cm2, and preferably does not exceed 10 W/cm2, such as 6 W/cm2. The invention may be used for hair curling and for hair straightening. A hair straightening method comprises temporarily straightening hair, and applying ultrasound to temporarily straightened hair to obtain straightened hair. Advantageously, ultrasound is applied during a period of between 5 seconds and 2 minutes, and preferably during about 10 seconds. (Fig. 1)

No. of Pages : 11 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/02/2018

(21) Application No.201847004689 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DETERMINING A STATE OF A NETWORK DEVICE

(51) International classification :H04L 12/26
(31) Priority Document No :15180200.6
(32) Priority Date :07/08/2015
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :PCT/EP2016/067054
Filing Date :18/07/2016
(87) International Publication No :WO/2017/025278
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MAGIELSE, Remco
2)KRAJNC, Hugo Jose

(57) Abstract :
The invention provides a processor and a method for determining the state of a first network device in a lighting network based upon information associated with the first network device and a second network device adapted to pass messages to the first network device. The first network device is associated with a first count value, and the second network device is associated with a second count value. When the first count value is within a predetermined range relative to the second count value, the first network device is determined to have been inactive. Each respective count value is based on the change or difference in an incremental property of the respective network device since a last reset of the count value.

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/02/2018

(21) Application No.201847004746 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR ACTUATING AN INK-JET PRINT HEAD

(51) International classification :B41J 2/045
(31) Priority Document No :10 2015 009 117.4
(32) Priority Date :13/07/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/IB2016/000986
Filing Date :11/07/2016
(87) International Publication No :WO 2017/009705 A3
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FRANCK, Jan

(57) Abstract :
The invention relates to a method for actuating an ink-jet print head, comprising at least one printing system that has a nozzle positioned on the side of an ink chamber that faces a substrate to be printed, said ink chamber being delimited at least in some sections, and preferably in the region thereof that faces away from the printing substrate, by a membrane which can be moved away from the ink chamber by electrically actuating a piezo-element that is mechanically coupled to said membrane, such that ink is sucked into the ink chamber from a storage chamber, and which membrane can be moved into the ink chamber such that an ink drop is pushed out through the nozzle, wherein the printing system, which consists of the ink chamber, membrane, piezo element and the electronic actuation element thereof, constitutes a vibrating structure that, upon a high-energy actuation, is excited to vibrate with a natural frequency fres exhibiting a resonance, i.e. the vibration with the cycle Tres = 1 / fres is not or is only slightly attenuated, wherein the brightness of an image point being printed is varied by a sequence of a plurality of ink drops being pushed out of the same nozzle one after the other, for each image point, with a temporal spacing of Ttropf = 1 / ftropf, and energy is only introduced into the printing system by said actuation signal precisely when an ink drop should also actually be pushed out.

No. of Pages : 34 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/02/2018

(21) Application No.201847004747 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROCESS FOR EXPANSION AND STORAGE OF A FLOW OF LIQUEFIED NATURAL GAS FROM A NATURAL GAS LIQUEFACTION PLANT, AND ASSOCIATED PLANT

(51) International classification :F25J 1/00
(31) Priority Document No :15 56656
(32) Priority Date :13/07/2015
(33) Name of priority country :France
(86) International Application No :PCT/EP2016/066544
Filing Date :12/07/2016
(87) International Publication No :WO/2017/009341
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)VOVARD, Sylvain
2)TIRILLY, Vincent

(57) Abstract :
ABSTRACT Process for expansion and storage of a flow of liquefied natural gas from a natural gas liguefaction plant, and associated plant The process comprises the following steps: - mixing a gaseous stream of flash gas (48) and a gaseous stream of boil-off gas (52) to form a mixed gaseous flow (54); - compressing the mixed gaseous flow (54) in at least one compression apparatus (30) to form a flow of compressed combustible gas (32); - withdrawing a bypass flow (36) in the flow of compressed combustible gas (32); - compressing the bypass flow (36) in at least one downstream compressor (34); - cooling and expanding the compressed bypass flow (66); - reheating at least a first stream (68; 70) derived from the expanded bypass flow (68) in at least one downstream heat exchanger (40), - reintroducing the first reheated stream (68; 70) in the mixed gaseous flow (54) upstream from the compression apparatus (30).

No. of Pages : 25 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/02/2018

(21) Application No.201847004818 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CHARGING BETWEEN BATTERIES OF DEVICES

(51) International classification :H02J 7/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/050911
Filing Date :18/09/2015
(87) International Publication No :WO/2017/048274
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)PETER SIYUAN ZHANG

(57) Abstract :
includes determining whether the desired directionality of the charging In an example implementation according to aspects of the present disclosure, a method may include detecting an external event to indicate a desired directionality of charging between batteries disposed in a first device and a second device. The method further between the batteries is allowable and, if the desired directionality is allowable, initiating the desired directionality of the charging between the batteries. [FIG. 1]

No. of Pages : 15 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/02/2018

(21) Application No.201847005920 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WIRELESS-COMMUNICATION ENABLED LAMPS

(51) International classification :H05B 37/00
(31) Priority Document No :15183820.8
(32) Priority Date :09/04/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069864
Filing Date :23/08/2016
(87) International Publication No :WO/2017/036848
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DEIXLER, Peter
2)ROZENDAAL, Leendert, Teunis
3)TAO, Haimin

(57) Abstract :
Each of multiple components, including a first lamp, is operable in a first mode in which it appears to a commissioning tool as awaiting commissioning, and a second mode in which it does not appear as such to the commissioning tool. Each component begins a commissioning process in the first mode. The first lamp then triggers a second one or more of the components (e.g. other lamps) to switch to the second mode, so that during commissioning the second components will not to appear to the commissioning tool as awaiting commissioning. Following this, the first lamp operates in the first mode so that it appears to the commissioning tool as awaiting commissioning (thereby representing the first and second lamps jointly). The first lamp also interacts with the commissioning tool on behalf of the second components, in order for the first lamp and second components to be commissioned as a group. [Figure 2]

No. of Pages : 59 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/02/2018

(21) Application No.201847005981 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PRODRUGS OF GLUTAMINE ANALOGS

(51) International classification :C07C 227/14
(31) Priority Document No :62/199,566
(32) Priority Date :31/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044767
Filing Date :29/07/2016
(87) International Publication No :WO/2017/023774
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SLUSHER, Barbara
2)RAIS, Rana
3)TENORA, Lukas
4)MAJER, Pavel
5)JANCARIK, Andrej

(57) Abstract :
Prodrugs of glutamine analogs, such as prodrugs of aza-serine, and 6-diazo-5-oxo-norleucine (DON), and 5-diazo-4-oxo-L-norvaline (L-DONV) are disclosed.

No. of Pages : 206 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006134 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FERRITIC CAST IRON HAVING SPHEROIDAL GRAPHITE

(51) International classification :C22C 37/04
(31) Priority Document No :10 2015 111 915.3
(32) Priority Date :22/07/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/067271
Filing Date :20/07/2016
(87) International Publication No :WO/2017/013165
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MLLER, Hauke
2)SCHLIMOK, Lukas

(57) Abstract :
The invention relates to ferritic cast iron comprising spheroidal graphite, containing, in % by mass, from 3.4 to 3.8% of carbon (C) from 1.5 to 2.1% of silicon (Si) not more than 0.25% of manganese (Mn) not more than 0.05% of sulfur (S) up to 0.6% of usual accompanying elements balance iron (Fe) In order to achieve a notched impact energy of at least 20 J at a temperature of -10°C in the case of such a ferritic cast iron comprising spheroidal graphite, the invention proposes that the accompanying elements chromium (Cr), vanadium (V), niobium (Nb) and titanium (Ti) in total be limited to 0.05% by mass. This results in a graphite nodule count of less than or equal to 160/mm2 in this cast iron. The invention further relates to the use of such a cast iron for cold-sensitive components, in particular in ships or wind power plants.

No. of Pages : 10 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006142 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VEHICLE-BODY FRAME FOR AUTOMATIC TWO-WHEEL VEHICLE

(51) International classification :B62K 19/24
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/075474
Filing Date :08/09/2015
(87) International Publication No :WO/2017/042883
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MINAMI, Hiroki
2)IKEDA, Hideki

(57) Abstract :
ABSTRACT A vehicle-body frame for a two-wheeled motor vehicle is provided which includes a head pipe that steerably supports handlebars, and a down frame that is formed from a separate member from the head pipe and is joined to the head pipe so as to extend downward to a rear from the head pipe, wherein a flat plate-shaped support plate (41) extending along a longitudinal direction of the head pipe (17) and projecting rearward is projectingly provided on a rear part of the head pipe (17), the down frame (18) is formed into a hollow shape by joining a press-formed metal plate material, and a front end part of the down frame (18) is joined to the support plate (41), which is inserted into a front end opening of the down frame (18). This enables the stmcture via which the down frame formed into a hollow shape by joining the press-formed metal plate material and formed from a separate member from the head pipe is joined to the head pipe to be simple and strong.

No. of Pages : 27 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006175 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TABLET PRINTING DEVICE

(51) International classification	:A61J3/06; B65G47/86
(31) Priority Document No	:2015-161580
(32) Priority Date	:19/08/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/072527 :01/08/2016
(87) International Publication No	:WO 2017/029974 A1
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)IMAI, Kiyoshi
2)MURAKAMI, Satoshi
3)YONETA, Mutsuhito
4)SAJI, Yoshito

(57) Abstract :
A tablet printing device 1 includes a conveying disk 5 that conveys a tablet 3 while sucking and supporting a side surface 9 of the tablet 3 and an inkjet head 6 capable of i applying print processing to the front and back surfaces 7a and 7b of the tablet 3 conveyed by the conveying disk 5. The tablet 3 is conveyed while being sucked to and supported by the conveying disk 4 at its front and back surfaces 7a and 7b and subjected to inspection of the side surface 9 by a side surface inspection device 15. The tablet 3 is transferred from the conveying disk 4 to the conveying disk 5 at a tablet delivery part 8 and then sucked to and supported by a suction hole 18 formed in an end surface 5a of the conveying disk 5 with the front and back surfaces 7a and 7b fully exposed. Thereafter, the front and back surfaces 7a and 7b of the tablet 3 are subjected to print processing at the same time by the inkjet head 6, followed by print inspection, and only a non-defective tablet is discharged through a non-defective tablet discharge part 10.

No. of Pages : 45 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/02/2018

(21) Application No.201847006357 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : RECEIVER COVER AND ACCESSORY RAIL

(51) International classification :F41C 27/00
(31) Priority Document No :62/195,791
(32) Priority Date :22/07/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/001991
Filing Date :22/07/2016
(87) International Publication No :WO 2017/077399 A3
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)FAIFER, Sagi
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(72)**Name of Inventor :**
1)FAIFER, Sagi

(57) Abstract :
A cover (10) for a receiver of a gun that includes an elongated member (18) having a first longitudinal axis, the elongated member including a distal end portion which may include a leading edge which is configured and dimensioned to connect with a gun part, and a proximal end portion which is spaced from the distal end portion along the first longitudinal axis. The elongated member (18) may include a first locking mechanism (30) adjacent the proximal end wall. The first locking mechanism (30) may be secured to a recoil spring guide of the gun. Also, the elongated member (18) may include a second locking mechanism (28) adjacent the distal end portion. The second locking mechanism (28) may be secured to a rear sight base of the gun. The elongated member (18) may include an accessory rail (24). The accessory rail may include a plurality of recoil grooves (26).

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/02/2018

(21) Application No.201847006359 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VEHICLE-BODY FRAME FOR AUTOMATIC TWO-WHEEL VEHICLE

(51) International classification	:B62K 19/20 (2006.01)
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/JP2015/075478 :08/09/2015
(87) International Publication No	:WO2017/042884 A1
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)MINAMI, Hiroki
2)IKEDA, Hideki

(57) Abstract :
A vehicle-body frame for a two-wheeled motor vehicle is provided which includes a head pipe, a down frame that extend downward to a rear from the head pipe, and a pair of left and right lower frames that are formed into a hollow shape by joining a press-formed metal plate material, are connected to left and right sides of a lower part of the down frame, and extend rearward, wherein the lower frame (19) is directly welded to left and right side faces of at least the lower part of the down frame (18) that are formed so as to be long in a vertical direction, an upper end (54a) of a joined part (54) between the lower frame and the down frame is disposed higher than a first horizontal line (LI) passing through an upper end of a hollow shape of a portion (19c) of the lower frame where a cross-sectional area is a minimum, and a lower end (54b) of the joined part (54) is disposed lower than a second horizontal line (L2) passing through a lower end of the hollow shape of the portion (19c) of the lower frame where the cross-sectional area is a minimum. This enables the lower frame to be strongly joined to the down frame while avoiding any increase in the number of processing steps and the weight.

No. of Pages : 26 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/02/2018

(21) Application No.201847006402 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LED MODULE WITH OUTPUT LENS

(51) International classification :H01J 31/52
(31) Priority Document No :15187257.9
(32) Priority Date :29/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/072320
Filing Date :20/09/2016
(87) International Publication No :WO2017/ 055141
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GOMMANS, Hendrikus, Hubertus, Petrus

(57) Abstract :
ABSTRACT LED MODULE WITH OUTPUT LENS A lighting module comprises an LED and a lens over the LED. The lens has a beam shaping surface and a pass through surface with a stepped profile. The steps of the stepped profile each comprise a riser portion and an output portion, wherein the riser portions are parallel with the ray direction passing through the surface at that location and the output portions are normal to the ray direction passing through the surface at that location. The pass through surface for example performs no beam shaping function. The stepped profile enables the thickness of the lens to be reduced to reduce the amount of material needed. Fig. 8

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/02/2018

(21) Application No.201847006403 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CABLE ENTRY FOR OUTDOOR LED MODULE

(51) International classification :H01J 31/52
(31) Priority Document No :15187703.2
(32) Priority Date :30/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/071871
Filing Date :15/09/2016
(87) International Publication No :WO2017/ 055100
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GOERTS, Walter, Johannes, Marie

(57) Abstract :
ABSTRACT CABLE ENTRY FOR OUTDOOR LED MODULE The invention provides a multi-part cable module (10) for association with a receiver rail element (350) of a support (30), the multi-part 5 cable module (10) comprising a primary part (100) and a secondary part (200), wherein - the primary part (100) is configured to engagingly receive the secondary part (200), wherein the primary part (100) comprises (a) a cavity (110) to receive at least part of the secondary part (200), and (b) a primary part opening (120) to 10 provide access to at least part of a functional part (210) of the secondary part (200) when the secondary part (200) is engagingly received by the primary part (100), and wherein the primary part (100) further comprises (c) a primary part rail element (150) configured for a male-female association with the receiver rail element (350) of the support (30); 15 - the secondary part (200) comprises (a) an inlet (220) for receiving a cable (410), and (b) said functional part (210), wherein the functional part comprises an outlet (230) for said cable (410). Fig. 1

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005740 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : GENERATING AN INDICATOR OF A CONDITION OF A PATIENT

(51) International classification :A61B5/00; A61B5/0205
(31) Priority Document No :15180194.1
(32) Priority Date :07/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/067603
Filing Date :25/07/2016
(87) International Publication No :WO/2017/025300
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MUEHLSTEFF, J
2)WIJSHOFF, Ralph Wilhelm Christianus Gemma Rosa

(57) Abstract :
A method (3000) of indicating a condition of a patient is disclosed. The method comprises: receiving (3100), on a processor, vital signs information from a sensor for monitoring vital signs of the patient;receiving (3200), on said processor, environmental and/or contextual information for the patient from an environmental sensor for monitoring environmental and/or contextual information; communicating (3300) the environmental and/or contextual information to a database that stores a plurality of patient-specific reference values, each reference value corresponding to a different environmental and/or contextual condition; selecting (3400), on said database, a patient-specific reference value among the said plurality in response to the received environmental and/or contextual information; receiving (3500), on said processor, the selected patient-specific reference value for the vital signs information of the patient from said database; and processing (3600), on said processor, the vital signs information and the selected patient-specific reference value so as to generate an indicator of a condition of the patient.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005741 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DEVICE AND SYSTEM FOR MONITORING AN EYE OF A SUBJECT

(51) International classification :A61B 3/11
(31) Priority Document No :15180180.0
(32) Priority Date :07/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068794
Filing Date :05/07/2016
(87) International Publication No :WO/2017/025475
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)SIO, Charles Frederik
3)ATALLAH, Louis Nicolas
4)DELLIMORE, Kiran Hamilton J.
5)VAN LIESHOUT, Ron Martinus Laurentius
6)VALSTER, Susanne Maaike

(57) Abstract :
ABSTRACT: The present invention relates to a device for monitoring an eye of a subject (54), comprising: a transparent carrier (12) for being in contact with the eye of the subject; and a photosensor (20) facing the eye of the subject for receiving light reflected from the eye of the subject and for determining a light intensity of the received light, wherein the photosensor is arranged on the transparent carrier; and wherein the photosensor includes one of: a plurality of photodetectors (22) arranged in the form of a two-dimensional array and spaced apart from one another for allowing incident light to pass between the photodetectors to enter the eye of the subject; and a single large area photodetector (24) covering an iris (26) and a pupil (28) of the eye of the subject. The present invention further relates to a system (52) for monitoring a pain level of a subject comprising a device as defined above. Fig. 18

No. of Pages : 56 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005742 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : OCCUPANCY DETECTION

(51) International classification :G06K 9/00
(31) Priority Document No :15180328.5
(32) Priority Date :10/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069073
Filing Date :10/08/2016
(87) International Publication No :WO/2017/025571
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)KIRENKO, Ihor Olehovych

(57) Abstract :
ABSTRACT: There is provided an apparatus for detecting when a subject has exited an item of furniture which has an upper side for supporting a subject and an underside opposite to the upper side. The apparatus comprises a light source to illuminate an edge-feature associated with the underside, to create a shadow of the edge-feature on a surface. The apparatus further comprises a camera arranged to capture sequential images of the surface; and a processing unit. The processing unit is arranged to receive the images; detect an edge of the shadow in each of the received images, detect, in the received images, the appearance of a feature contiguous with the shadow edge; monitor how a detected feature changes over a time period; determine whether a change to the detected feature satisfies at least one predefined criterion for a subject exit event; and output a signal based on the determining. Figure 1

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005743 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : OCCUPANCY MONITORING

(51) International classification :G06K 9/00
(31) Priority Document No :15180329.3
(32) Priority Date :10/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/067851
Filing Date :27/07/2016
(87) International Publication No :WO/2017/025326
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ROCQUE, Mukul Julius
2)KIRENKO,Ihor Olehovych

(57) Abstract :
ABSTRACT: There is provided an apparatus for monitoring a subject occupying an item of furniture. The apparatus comprises a projector for fixed attachment to a moveable part of an item of furniture, which changes its position and/or orientation relative to a surface in response to a movement of a subject occupying the item of furniture. The projector is arranged to project a pattern onto the surface. The apparatus further comprises at least one camera arranged to capture sequential images of the surface; and a processing unit. The processing unit is arranged to: receive the images from the at least one camera; detect the projected pattern in the received images; detect a change to at least one feature of the projected pattern in the received images; determine whether the detected change satisfies at least one predefined criterion for a subject exit event; and output a signal based on the determining. Fig. 3

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005402 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SUBSTITUTED AZA COMPOUNDS AS IRAK-4 INHIBITORS

(51) International classification :A61K 31/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2016/054229
Filing Date :15/07/2016
(87) International Publication No :WO/2017/009806
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SAMAJDAR, SUSANTA
3)MUKHERJEE, SUBHENDU
4)BOCK, Mark Gary

(57) Abstract :
The present invention provides substituted aza compounds of formula (I) or (II) and pharmaceutically acceptable salts thereof, and their use to inhibit IRAK-4 and/or for the treatment of diseases or disorders induced by IRAK-4. (FR)La prsente invention concerne des composs aza substitus de formule (I) ou (II) et des sels pharmaceutiquement acceptables de ceux-ci, et leur utilisation pour inhiber lIRAK-4 et/ou pour traiter les maladies ou les troubles induits par lIRAK-4.

No. of Pages : 130 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005480 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ELECTRONIC FLASH CARD METHODS AND SYSTEMS

(51) International classification :G09B 7/00
(31) Priority Document No :2015904052
(32) Priority Date :06/10/2015
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2016/050934
Filing Date :05/10/2016
(87) International Publication No :WO/2017/059487
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)HALLIDAY, Kim Charles

(57) Abstract :
An electronic flash card user device and an electronic flash card method enable a user to flip • electronic flash cards in a manner that is intuitive to the user and easy to perform. The method comprises: presenting, on a user device, a first side of an electronic flash card to a user, the first side of the flash card containing first information; detecting movement of the user device; and presenting, on the user device, a second side of a flash card to the user, the second side of the flash card containing second information; wherein the electronic flash card is configured to switch from the first side to the second side based upon the detected movement. Figure.1

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2018

(21) Application No.201847005505 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ENCRYPTION SCHEME USING MULTIPLE PARTIES

(51) International classification :H04L 9/00
(31) Priority Document No :15177097.1
(32) Priority Date :16/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/066683
Filing Date :13/07/2016
(87) International Publication No :WO 2017/009388 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)HARVAN, Matus
3)SCHLEGEL, Roman
4)OBERMEIER, Sebastian
5)LOCHER, Thomas

(57) Abstract :
The present invention discloses a method for computing a secret value comprising a first secret using a function including an operation, comprising: computing, by a host, a first encrypted value of the first secret with a first key; sending, by the host, the first encrypted value to a value holder and the first key to a key holder, wherein the value holder and the key holder are independently trusted by the host; computing, by the value holder, a computed encrypted value from the first encrypted value using the function; and computing, by the key holder, a computed key from the first key using the function.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2018

(21) Application No.201847005551 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NON-OVERLAPPING FRAME FOLDING BIKE

(51) International classification	:B62K 15/006 (2013.0
(31) Priority Document No	:14/805563
(32) Priority Date	:22/07/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/042523 :13/06/2016
(87) International Publication No	:WO 2017/015121
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)MONTAGUE, David

(57) Abstract :
A folding bike designed such that when the bicycle is folded, the front and rear frame structural members bypass each other in a non-overlapping manner except at folding and fastening positions using an axis of rotation at or near the seat tube, wherein the folding bicycle maintains a rigid riding position using an innovative fastening mechanism positioned to fasten by actuation of a member located not above the uppermost surface of the front frame, and which may be equipped with primary and secondary retention wherein the secondary retention may automatically engage when the bike is unfolded to the operative riding position.

No. of Pages : 32 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2018

(21) Application No.201847005553 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LIGHTING DEVICE WITH A WIRELESS COMMUNICATION ANTENNA

(51) International classification	:F21K9/232; F21K99/00; F21V23/04
(31) Priority Document No	:15183300.1
(32) Priority Date	:01/09/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/068748 :05/08/2016
(87) International Publication No	:WO2017/ 036733
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1)VAN BOMMEL, Ties
2)MARINUS, Antonius, Adrianus, Maria
3)LOUH, Yacouba
4)BAAS, Frank, Jan

(57) Abstract :
There is provided a lighting device (1a) comprising an exhaust tube (7a) and a wireless communication antenna (12a) arranged inside the exhaust tube (7a). There is also provided a method for producing such a lighting device.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2018

(21) Application No.201847005554 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AUTOMATED GROUPING OF MULTIPLE WIRELESSLY COMMUNICATING LAMP UNITS WITHIN A LUMINAIRE

(51) International classification :H04N 7/52
(31) Priority Document No :15183822.4
(32) Priority Date :04/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/070276
Filing Date :29/08/2016
(87) International Publication No :WO2017/036998
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DEIXLER, Peter
2)ROZENDAAL, Leendert, Teunis
3)TAO, Haimin

(57) Abstract :
A first lamp for use in a luminaire, the first lamp comprising: a transmitting circuit configured to transmit, and/or a receiving circuit configured to receive, one or more signals via a constrained signalling channel whereby propagation of the signals is constrained by a physical characteristic of the luminaire; and a controller configured to detect, based on the transmission and/or reception of these one or more signals via the constrained signalling channel, that one or more other, second components (e.g. other lamps) are present in the same luminaire as the first lamp, and to identify the one or more second components based on the transmission and/or reception of the one or more signals.

No. of Pages : 57 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201847006845 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR CLASSIFYING THE STATUS OF THE WINDING CLAMPING OF A POWER TRANSFORMER

(51) International classification :H01J 31/52
(31) Priority Document No :15002217.6
(32) Priority Date :27/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/066785
Filing Date :14/07/2016
(87) International Publication No :WO 2017/016891
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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Address of Applicant :Brown Boveri Strasse 6, CH-5400 Baden, Switzerland Switzerland
(72)**Name of Inventor :**
1)SCHEIL, Klaus
2)SCHREITER, Sebastian

(57) Abstract :
ABSTRACT METHOD FOR CLASSIFYING THE STATUS OF THE WINDING CLAMPING OF A POWER TRANSFORMER Method for classifying the status of the winding clamping of a power transformer Summary The invention is related to a method for classifying the status of the winding clamping (100) of a power transformer which is immersed in an oil (14) filled transformer tank (12), wherein the power transformer comprises at least one transformer coil (16, 18, 20) with at least one clamped (102 ⇔ 104) electrical winding (106) arranged on a transformer core (22), the method comprising the following steps: applying a mechanical force impulse (24) on an impact area (28, 30, 32, 34) of the transformer tank (12), so that the at least winding (106) is mechanically excited to vibration and a voltage is induced (40, 42, 44, 52) within the at least one winding (106) therewith, measuring the induced voltage (40, 42, 44, 52) of the at least one winding (106) for a period of time during vibration, transferring (58) those measurement data from the time domain into the frequency domain and providing a respective dataset comprising the measurement data in the frequency domain (58), searching for local maxima (88, 90, 92) within winding clamping (100) of the at least one winding (106) as defective in case that there is no distinct maximum (74) within the local maxima, classifying the status of the winding clamping (100) of the at least one winding (106) as at least possibly sufficient in case that there is exactly one distinct maximum (74) within the local maxima.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201847006857 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : GREEN POWER FOR DENSE LARGE NETWORKS (PROXY TABLE SCALING)

(51) International classification	:G06F21/6209; H04B7/14;
(31) Priority Document No	:15180700.5
(32) Priority Date	:12/08/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/068583 :03/08/2016
(87) International Publication No	:WO2017/025415
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)HOLTMAN, Koen, Johanna, Guillaume

(57) Abstract :
The present invention relates to a system and method for managing proxy device assignment in a wireless communication network where proxy devices operate as relay devices forwarding signals from a resource restricted device to a destination device. The method comprises dividing an identifier space of the resource restricted device into at least two parts, and assigning at least one of the at least two parts of the identifier space to at least one proxy device of the wireless communication network wherein the proxy device assigned to a first part of the identifier space is responsible for the resource restricted device transmitting a signal comprising an identifier falling within the first part of the identifier space.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201847006907 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD OF ANALYZING PROFILE OF WIRELESS ACCESS POINT AND EQUIPMENT UTILIZING SAME

(51) International classification :H04W 48/06
(31) Priority Document No :201510551118.8
(32) Priority Date :01/09/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/070681
Filing Date :12/01/2016
(87) International Publication No :WO/2017/036066
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)WANG, Qi
2)YANG, Hui

(57) Abstract :
objective of the present application is to provide a method and device for analyzing a profile of a wireless access point. In comparison to the prior art, the present application comprises: determining, according to access point related information, profile information about a wireless access point, by obtaining the access point related information about the wireless access point, such as historical connection related information about the wireless access point and provider related information about the wireless access point, so that the wireless access point establishes its own profile using various types of information associated therewith, thereby greatly enriching the information about the wireless access point, providing a better experience for a user of the wireless access point, and also providing a basis and premise for further associated application based on the profile information about the wireless access point at the same time

No. of Pages : 57 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006202 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TAG READING USING TARGETED SPATIAL SPECTRAL DETECTION

(51) International classification :G01B9/02,G01D5/30,G01J3/45
(31) Priority Document No :62/259244
(32) Priority Date :24/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/061680
Filing Date :11/11/2016
(87) International Publication No :WO 2017/091370
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)HSU Mark
3)IVANOV Denis

(57) Abstract :
A system for determining a spectrum includes an interface and a processor. The interface is configured to receive a sample set of intensity data for an array of spatial locations and a set of spectral configurations. The processor is configured to determine a region of interest using the sample set of intensity data and determine a spectral peak for the region of interest.

No. of Pages : 12 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006209 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MESOPOROUS CALCIUM PHOSPHATE-CITRATE NANOPARTICLES AND USES THEREOF

(51) International classification :C01B 25/32
(31) Priority Document No :15180540.5
(32) Priority Date :11/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068231
Filing Date :29/07/2016
(87) International Publication No :WO/2017/025359
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)FREIHERR VON SCHIRNDING, Constantin
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2)ENGELKE, Hanna
3)FECKL, Johann
4)FREIHERR VON SCHIRNDING, Constantin

(57) Abstract :
MESOPOROUS CALCIUM PHOSPHATE-CITRATE NANOPARTICLES AND USES THEREOF • ABSTRACT The present invention relates to mesoporous calcium phosphate-citrate nanoparticles, optionally comprising a lipid membrane, and pharmaceutical compositions thereof. The present invention further relates to a method of synthesizing the mesoporous calcium phosphate-citrate nanoparticles. The present invention relates to their use as drug delivery system. The present invention further relates to medical uses as bone or teeth cement, bone material or taste or non-taste masked carrier or delivery system. The present invention relates to the use of the mesoporous calcium phosphate-citrate nanoparticles in the diagnosis and/or treatment of cancer. The present invention further relates to the use of the mesoporous calcium phosphate-citrate nanoparticles in fertilizer or absorber of metal ions from wastewater and/or water.

No. of Pages : 87 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006215 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COMPUTER IMPLEMENTED GENERATION OF A VIRTUAL DESIGN OF A LIGHTING DEVICE

(51) International classification	:G06F3/04842; G06F3/04847;
(31) Priority Document No	:15184768.8
(32) Priority Date	:11/09/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/069893 :23/08/2016
(87) International Publication No	:WO2017/ 042027
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)KNAAPEN, Bram
3)DEKKER, Tim
4)BERGMAN, Anthonie, Hendrik

(57) Abstract :
ABSTRACT COMPUTER IMPLEMENTED GENERATION OF A VIRTUAL DESIGN OF A LIGHTING DEVICE The invention relates to computer implemented method that enables the generation of a virtual design of a lighting device and that determines the components for the virtually designed lighting device. The computer implemented method comprises four main steps and will be performed on a computing device or system. First 100, the computing device receives desired lighting output information indicative of a desired lighting output. Then 102, it selects an initial virtual lighting device able to generate the desired lighting output. Subsequently 104, it adapts parameters of the initial virtual lighting device for generating the virtual design of the lighting device while retaining the desired lighting output. Finally 106, the components 802-810, 814, 816 for the virtually designed lighting device are determined based on the virtual design of the lighting device and on the desired lighting output information, wherein the step of determining the components comprises: determining 600 a number of lumens based on the desired lighting output, determining 602 a number of light emitters and a type of the light emitters 802 based on the number of lumens and based on the desired lighting output and determining 604 a number of drivers and a type of the drivers 810 based on the number and type of light emitters. Fig. 1

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006216 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MITIGATING INTER-SYMBOL INTERFERENCE IN CODED LIGHT

(51) International classification	:H01S5/062; H04B10/116
(31) Priority Document No	:15184610.2
(32) Priority Date	:10/09/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/069508 :17/08/2016
(87) International Publication No	:WO2017/ 042007
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1) BRILMAN, Joost, Jacob
2)KRAJNC, Hugo, Jose

(57) Abstract :
ABSTRACT MITIGATING INTER-SYMBOL INTERFERENCE IN CODED LIGHT A method of controlling an input signal supplied from an encoder to a modulator, wherein the input signal causes modulation of a current flowing through a light source in order to embed data in light emitted by the light source. The method comprises: for each of a plurality of possible logical transitions allowed by the encoding scheme from an adjacently preceding symbol to a present symbol, determining a respective observed value for the current level of the present symbol; for each of the plurality of logical transitions, determining an associated error between the respective observed value and a corresponding one of a set of nominal values for the current levels; and based on the respective error for each of the plurality of logical transitions, applying a respective compensation to the corresponding input in order to bring the resulting current level closer to the corresponding nominal value.

No. of Pages : 42 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005744 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : OCCUPANCY DETECTION

(51) International classification :G06K 9/00
(31) Priority Document No :15180330.1
(32) Priority Date :10/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068997
Filing Date :10/08/2016
(87) International Publication No :WO/2017/025546
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ROCQUE, Mukul Julius
2)KIRENKO, Ihor Olehovych

(57) Abstract :
ABSTRACT: An apparatus for detecting when a subject has exited an item of furniture is provided. The apparatus comprises a camera for use beneath the underside of an item of furniture having an upper side for supporting a subject, the underside being opposite to the upper side, and a processing unit. The camera captures sequential images having a foreground corresponding to a region beneath the underside of the item of furniture and a background corresponding to a region adjacent the item. The processing unit receives images from the camera; detects, for each image, an edge corresponding to an edge of the item; detects the appearance of a feature contiguous with the edge; monitors how a detected feature changes over a time period; determines whether a change to the detected feature satisfies at least one predefined criterion for a subject exit event; and outputs a signal based on the determining. Fig. 1

No. of Pages : 33 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005745 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CAPACITIVE MICROMACHINED ULTRASONIC TRANSDUCERS WITH INCREASED PATIENT SAFETY

(51) International classification :B06B 1/02
(31) Priority Document No :62/203533
(32) Priority Date :11/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/069136
Filing Date :11/08/2016
(87) International Publication No :WO/2017/025598
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SAVORD, Bernard Joseph

(57) Abstract :
ABSTRACT: An array of CMUT cells has a DC bias voltage coupled to the membrane and floor electrodes of the cells to bias the electrode to a desired collapsed or partially collapsed state. The low voltage or ground terminal of the DC bias supply is couple to the patient-facing membrane electrodes and the high voltage is applied to the floor electrodes. An ASIC for controlling the CMUT array is located in the probe with the array. The ASIC electronics are electrically floating relative to ground potential of the ultrasound system to which the CMUT probe is connected. Control and signal lines are coupled to the CMUT probe by level shifters which translate signals to the floating potential of the ASIC and provide DC isolation between the CMUT probe and the ultrasound system. Fig. 4

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005747 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MULTI-LEVEL ARCHITECTURE OF PATTERN RECOGNITION IN BIOLOGICAL DATA

(51) International classification :G06F 19/24
(31) Priority Document No :62/205778
(32) Priority Date :17/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/069308
Filing Date :12/08/2016
(87) International Publication No :WO/2017/029249
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)Volyanskyy, Konstantin
2) Dimitrova, Nevenka

(57) Abstract :
ABSTRACT Methods, systems and apparatus for detecting patterns in constituents of at least one biological organism are disclosed. In accordance with one method, clusters of the constituents are determined (208) by selecting (210) different subsets of at least one of genes or proteins and identifying (212) the clusters from biological data corresponding to the selected subsets. Here, membership values for the constituents, indicating membership within the clusters, are calculated for use as a basis of an additional cluster determination process (208) to obtain final clusters of constituents. By underpinning the preliminary clustering on different subsets of biological data and formulating the higher-level clustering on the basis of the membership values, the embodiments can enable an evaluation of a large variety of biological data in a practical, accurate and highly efficient manner.

No. of Pages : 47 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005748 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : OXYGEN SEPARATOR WITH IMPROVED EFFICIENCY

(51) International classification :B01D 53/04
(31) Priority Document No :EP15181511.5
(32) Priority Date :19/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068843
Filing Date :08/08/2016
(87) International Publication No :WO/2017/029142
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KOERBER, Achim Gerhard Rolf
3)VAN DER SLUIS, Paul

(57) Abstract :
ABSTRACT: An oxygen separator for generating an oxygen-enriched gas from an oxygen comprising gas, said oxygen separator comprising: a) an oxygen separator device comprising: i) a sorbent material for sorbing at least one component of the oxygen comprising gas; and ii) at least two controllable interfaces, comprising a first controllable interface and a second controllable interface, for controlling the communication of gas between the inside and the outside of the oxygen separator device, b) a processor for controlling the oxygen separator such that a plurality of phases are sequentially carried, amongst them a purging phase; wherein the processor is configured to control the at least two controllable interfaces such that a flow of gas is generated between the first controllable interface and the second controllable interface during at least the purging phase, wherein the second controllable interface is located and/or controlled such that it controls the fluidic coupling between the inside of the oxygen separator device and a volume of non-oxygen-enriched gas during the purging phase. Fig. 1

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2018

(21) Application No.201847005555 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NETWORK NODE

(51) International classification :H04L 12/827
(31) Priority Document No :15183668.1
(32) Priority Date :03/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069213
Filing Date :12/08/2016
(87) International Publication No :WO2017/036768
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)MANSOURI, JAJAI, Hassan
3)LENOIR, Petrus, Johannes

(57) Abstract :
A network node (110) is provided having a normal mode and a 5 coordinator mode. The network node comprises a counter (130) and an incrementing unit (132), the incrementing unit being arranged to increment the counter at regular time intervals. If the network node does not receive counter synchronization messages it switches to coordinator mode.

No. of Pages : 47 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2018

(21) Application No.201847005569 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LAPTOP COMPUTER WITH USER INTERFACE FOR BLIND, AND METHOD FOR USING THE SAME

(51) International classification :G09B 21/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IN2015/000324
Filing Date :14/08/2015
(87) International Publication No :WO/2017/029678
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT LAPTOP COMPUTER WITH USER INTERFACE FOR BLIND, AND METHOD FOR USING THE SAME A computing device for visually impaired with a tactile refreshable Braille display, the display is adapted to show a computer application, the computer application is characterized by presence of one of command/control/tool button symbols and names and/or a reading material having at least one of headings names, hyperlink name, or compressed data name and detailed text or graphical GUI, the display is adapted to show the computer application by a combination of one or more of the following: - a unique Braille symbol at different placing on tactile surface represents different command/control button symbols and names, headings names, hyperlink name or compressed data name , wherein meaning of the unique Braille symbol depends according to its placing on the tactile display. - standard Braille character/s representing the detailed text, and - standard Braille character/s at a first predefined region in the tactile display to show meaning of the unique Braille symbol according to placing on tactile surface.

No. of Pages : 45 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2018

(21) Application No.201847005589 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : UTILIZING PINS ON A UNIVERSAL SERIAL BUS (USB) TYPE-C CONNECTOR FOR A DATA SIGNAL

(51) International classification :G06F 13/38
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/055674
Filing Date :15/10/2015
(87) International Publication No :WO/2017/065769
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KENNETH CHAN

(57) Abstract :
Utilizing pins on a universal serial bus (USB) type-C connector for a data signal includes a circuit to, based on an orientation of a receptacle side of the USB type-C connector when connected to an electronic device, identify spare pin: used for the data signal instead of a USB differential pair signal on the receptacle side of the USB type-C connector, a controller to create the data signal from a number of signals received by the controller, the data signal to be routed from the receptacle side of the USB type-C connector to a plug side of the USB type-C connector, and a multiplexor (MUX) to, when the plug side of the USB type-C connector is connected to a peripheral device, route the data signal to the spare pins of the receptacle side of the USB type-C connector to allow the data signal tc be exchanged between the electronic device and the peripheral device via the spare pins of the receptacle side of the USB type-C connector and bottom pins or the plug side of the USB type-C connector.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/02/2018

(21) Application No.201847005655 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BRAKING CONTROL DEVICE AND BRAKING CONTROL METHOD

(51) International classification :B60T8/17
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/071257
Filing Date :27/07/2015
(87) International Publication No :WO 2017/017764
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SUGANO, Takeshi

(57) Abstract :
This braking control device automatically controls a main braking device normally used to brake the vehicle during travel and a second braking device used to maintain the vehicle in a stopped state predicts the slip degree which indicates the possibility of the vehicle slipping and switches from the main braking device to the second braking device when the vehicle is being maintained in the stopped state by the main braking device. At that time the timing at which the braking force of the main braking device falls to or below a prescribed value is delayed in response to an increase of the predicted slip degree.

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005762 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MICRO VASCULAR ULTRASONIC CONTRAST IMAGING BY ADAPTIVE TEMPORAL PROCESSING

(51) International classification :A61B 8/06
(31) Priority Document No :PCT/CN2015/087789
(32) Priority Date :21/08/2015
(33) Name of priority country :PCT
(86) International Application No :PCT/EP2016/069712
Filing Date :19/08/2016
(87) International Publication No :WO/2017/032715
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DENG, Yin hui
3)Li, Xiao Min
4)SHAMDASANI, Vijay Thakur
5)Wu, Ying

(57) Abstract :
An ultrasonic diagnostic imaging system produces contrast enhanced images which are processed differently during different stages of contrast agent wash-in. During an initial stage of contrast wash-in, imaging is done using pixels processed by maximum intensity detection, to better reflect the rapid change in contrast intensity. During a later stage of contrast wash-in, time averaged processing is used to diminish the effects of noise and motion on the pixel values. During an intermediate period of peak enhancement, a combination of both pixel values processed by both techniques is used. In another aspect, a wash-in period can be characterized by an appearance stage, a growth stage and a peak stage, in which contrast pixel data is adaptively processed in different ways during these periods.

No. of Pages : 26 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005763 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SERVER-CLIENT ARCHITECTURE IN DIGITAL PATHOLOGY

(51) International classification :G06K 9/00
(31) Priority Document No :15182141.0
(32) Priority Date :24/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069255
Filing Date :12/08/2016
(87) International Publication No :WO/2017/032621
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)VAREKAMP, Christiaan

(57) Abstract :
According to an aspect of the invention, a client-server-system is provided. The client and the server are provided with the same digital image of a slice of a biological material, which has been applied with a staining substance. Usually, the server comprises a large processing power. Accordingly, the server is used for pre-processing the digital image and provides results of the pre-processing to the client in turn of a request. The server comprises a server processing unit, which is configured to classify each pixel of the digital image, wherein the pixel is classified as stained, in case a color-property of the pixel characterizes a spot corresponding to the pixel at the slice as being stained with the staining substance, whereas the slice has absorbed the staining substance at the respective spot. Thus, all pixels of the digital image are classified. A sub-set of all pixels is classified as being stained. The remaining pixels may be classified as undefined, unstained or stained with a different substance. The server processing unit can be configured to classify the remaining pixels respectively. Further, the server is configured to store the classification results. A client processing unit of the client is configured to determine the region of interest at the digital image, which has been provided to the client, too. Thus, the client is configured to request data related to the classification of the pixels at the region of interest at the server. The server has pre-processed the classification of the digital image and/or further data based thereon and is thus initially prepared to provide the data related to the classification of the pixels at the region of interest to the client. Accordingly, the server can provide the classification results related to the classification of the pixels at the region of interest at the digital image to the client. The client can display the received classification results, preferably with a display of a user interface of the client. Consequently, the user can see with a short time delay, whether pixels at the region of interest of the digital image are classified as stained or not.

No. of Pages : 47 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005765 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STAGED ADVICE FOR OPTIMAL USE OF A SHAVING DEVICE

(51) International classification :B26B 19/38
(31) Priority Document No :15182122.0
(32) Priority Date :24/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068124
Filing Date :29/07/2016
(87) International Publication No :WO/2017/032547
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)STAPELKAMP, Lennart Jakob
4)VELDHUIS, Willem Henderikus
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6)EVANS, Dylan

(57) Abstract :
The invention relates to a method, a personal care system and a shaving device (1) for providing staged shaving advice. Personal assessment data is provided by the user and usage data from a shaving device is provided as input data for a logic (10) associating shaving related data with corresponding shaving advice instructions. Based on an analysis of this input data, the logic determines a shaving advice instruction among a plurality of shaving advice instructions which is presented to the user.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/02/2018

(21) Application No.201847006496 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FACTOR XIA INHIBITORS

(51) International classification :A61K 31/44
(31) Priority Document No :62/248,075
(32) Priority Date :29/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/058362
Filing Date :24/10/2016
(87) International Publication No :WO/2017/074832
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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10)SHEN, DongMing
11)HARPER, Bart
12)ZHU, Cheng
13)BARA, Thomas
14)LIM, Yeon-Hee
15)YANG, Meng

(57) Abstract :
The present invention provides a compound of Formula (I) and pharmaceutical compositions comprising one or more said compounds, and methods for using said compounds for treating or preventing thromboses, embolisms, hypercoagulability or fibrotic changes. The compounds are selective Factor XIa inhibitors or dual inhibitors of Factor XIa and plasma Kallikrein.

No. of Pages : 225 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/02/2018

(21) Application No.201847006538 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DRY CITRUS FIBERS AND USES THEREOF

(51) International classification :A23L 2/52
(31) Priority Document No :15178987.2
(32) Priority Date :30/07/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/US2016/044226
Filing Date :27/07/2016
(87) International Publication No :WO/2017/019752
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)KOHLS, Ivo
4)RODRIGUEZ, Asier
5)VELIKOV, Krassimir Petkov
6)MAZOYER, Jacques Andre Christian

(57) Abstract :
The invention relates to citrus fibers in dry form having a storage modulus (G) of at least 50 Pa, said G being measured on an aqueous medium containing an amount of 2 wt% citrus fibers dispersed therein under a low-shear stirring of less than 10000 rpm

No. of Pages : 57 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/02/2018

(21) Application No.201847006685 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SELF-POSITION ESTIMATION DEVICE AND SELF-POSITION ESTIMATION METHOD

(51) International classification :G01S13/90
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/003728
Filing Date :24/07/2015
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)TSUCHIYA, Chikao

(57) Abstract :
A self-position estimation device includes: a target position detection unit mounted in a vehicle, the target position detection unit being configured to detect a relative position of a target present around the vehicle and the vehicle; a movement amount estimation unit configured to estimate a movement amount of the vehicle; a target position accumulation unit configured to move the detected relative position by the estimated movement amount and to accumulate the moved relative position as target position data; a map information acquisition unit configured to acquire map information including target position information of a target present on a map; a curve start position estimation unit configured to estimate a curve start position of a travel path on which the vehicle travels; and a self-position estimation unit configured to perform comparison in which at least the target position data present around the vehicle and the target position data present between a current position of the vehicle and the estimated curve start position, of the accumulated target position data, is compared with the target position information included in the map information to

No. of Pages : 61 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :21/02/2018

(21) Application No.201847006695 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MATTRESS CASE

(51) International classification :A47G 9/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CL2016/050031
Filing Date :10/06/2016
(87) International Publication No :WO/2017/210807
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CARDENAS RIFFO, Nora Cristina

(57) Abstract :
The invention relates to a mattress case consisting of a rectangle that completely covers the mattress, closing fittedly along one of the long sides by means of buttons, elastic, fasteners, straps, hook-and-loop fasteners, or clasps, while the rectangle is folded inwards at the head and foot ends to keep the case tidy when sleeping. As the case has two faces (side A being the part above the mattress and side B being the side facing the ground), after having used side A for several days, the mattress or case can be turned over to be used on side B for a few more days before washing the case. The case further comprises a double-faced topper for turning when the case is used on side B. The case has many benefits and aims to solve the problem of the discomfort produced by current alternatives. Given that it can be used on both sides, the case also allows water and detergent to be saved because it does not need to be washed as often, which is a great advantage today. Since the case is fitted to the mattress, it does not become untidy and it is therefore much simpler to make the bed the following day. The case does not become wrinkled, providing greater comfort when sleeping, and is easy to fold and store. Figure 1

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/12/2017

(21) Application No.201747046841 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CONTENTION-BASED CO-EXISTENCE ON A SHARED COMMUNICATION MEDIUM

(51) International classification :H04W 74/08
(31) Priority Document No :62/204,303
(32) Priority Date :12/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/046764
Filing Date :12/08/2016
(87) International Publication No :WO2017/027798
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)RADULESCU, Andrei Dragos

(57) Abstract :
ABSTRACT Techniques for managing contention on a shared communication medium are disclosed. Various techniques are provided to facilitate aspects such as reference signaling, downlink medium access, uplink medium access, resource reuse, channel structures, acknowledgment schemes, fairness, acquisition, random access, paging, mobility, inter-operator mitigation, and so on for a frame structure implemented on the shared communication medium.

No. of Pages : 85 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007183 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : APPARATUS, SYSTEM AND METHODS FOR NATIVE BRIDGED COMMUNICATIONS IN CELLULAR ACCESS NETWORK

(51) International classification :H04L 12/46
(31) Priority Document No :15306442.3
(32) Priority Date :17/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/070497
Filing Date :31/08/2016
(87) International Publication No :WO 2017/045921
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Abstract According to a first aspect of the invention, there is provided a hybrid access gateway (HAG) apparatus for native bridged communication in a communication network, comprising: an upstream interface configured for receiving downlink Open Systems Interconnection (OSI) layer 2 traffic in said communication network; at least one downstream cellular coupling interface configured to be communicatively coupled to a user equipment (UE) represented by an OSI layer 2 address via a cellular access network (e.g. a Radio Access Network or RAN) of said communication network; an inspection module configured for inspecting an OSI layer 2 header of said received traffic; and a direction module configured for, based on said inspected OSI layer 2 header, directing said received traffic to said user equipment via said at least one downstream cellular coupling interface.

No. of Pages : 48 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007262 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TRICYCLIC FUSED PYRIDIN-2-ONE DERIVATIVES AND THEIR USE AS BRD4 INHIBITORS

(51) International classification :G02B 6/036
(31) Priority Document No :4781/CHE/2015
(32) Priority Date :09/09/2015
(33) Name of priority country :India
(86) International Application No :PCT/IN2016/050300
Filing Date :08/09/2016
(87) International Publication No :WO/2017/020457
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)SIVANANDHAN, Dhanalakshmi
7)PARIKH, Payal Kiran
8)MULAKALA, Chandrika

(57) Abstract :
The present invention relates to an ultra-low attenuation large effective area single-mode optical fiber, comprising a core layer and claddings. The radius r1 of the core layer is 4. 8 to 6. 5μm, and the relative refractive index differenceΔn1 of the core layer is -0. 06% to 0. 10%. The core layer is cladded sequentially from the inside out with an inner cladding, a sunken inner cladding, an auxiliary outer cladding and an outer cladding. The radius r2 of the inner cladding of the optical fiber is 9 to 15μm and the relative refractive index differenceΔn2 ranges from -0. 40% to -0. 15%; the radius r3 of the sunken inner cladding is 12 to 17μm and the relative refractive index differenceΔn3 ranges from -0. 8% to -0. 3%; the radius r4 of the auxiliary outer cladding is 37-50μm and the relative refractive index differenceΔn4 ranges from -0. 6% to -0. 25%; and the outer cladding is a pure silica glass layer. The core layer of the fiber is doped with alkali metal to optimize the core layer viscosity. Therefore, the fiber not only has a low attenuation coefficient, large effective area and low manufacturing cost, but also has, in an application waveband, good performance parameters including the cutoff wavelength, bending loss and dispersion.

No. of Pages : 92 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2018

(21) Application No.201847007305 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STORAGE YARN FEEDER WITH BRAKING ORGAN AND INTERCHANGEABLE ELEMENTS

(51) International classification :D03D 47/36
(31) Priority Document No :102015000041326
(32) Priority Date :03/08/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2016/054607
Filing Date :01/08/2016
(87) International Publication No :WO/2017/021860
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BAREA, Tiziano

(57) Abstract :
STORAGE YARN FEEDER WITH BRAKING ORGAN AND INTERCHANGEABLE ELEMENTS A storage yarn feeder (1) comprises a body (2) having a portion or drum (3) onto which winds a yarn (4) forming at least one coil, said yarn (4) coming from a reel, being provided with a braking organ (8) cooperating with said drum (3) to brake the yarn (4) leaving said drum (3), said braking organ (8) comprising braking means capable of cooperating with the yarn (4) when it detaches from the drum (3) as it leaves the feeder and heads towards a textile machine. The drum (3) comprises a first (3A) and a second portion (3B), the latter being capable of supporting the yarn (4) and being separable from the first portion (3A) so as to be capable of being replaced, said first portion being connected to the body (2) of the feeder.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201847006996 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LOW REFLECTIVITY COATING AND METHOD AND SYSTEM FOR COATING A SUBSTRATE

(51) International classification :G02B 5/00
(31) Priority Document No :1515270.5
(32) Priority Date :27/08/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/052668
Filing Date :26/08/2016
(87) International Publication No :WO2017033027
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)BUSTOS-RODRIGUEZ, Susana
4)JENSEN, Ben Poul
5)CROSSELY, Oliver

(57) Abstract :
A low reflectivity coating (20) is formed of a layer of carbon nanostructures (20) over a contact surface (14) of a substrate (10), from a spray incorporating the carbon nanostructures in suspension in a solvent. The carbon nanostructure layer provides a very low reflectivity coating which may be further enhanced by etching the outer surface of the coating. The layer may be etched for reduced reflectivity. Very low reflectivity coatings have been achieved. Figure 6 to accompany the Abstract

No. of Pages : 53 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201847006998 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CONVERSION OF BIOMASS INTO A LIQUID HYDROCARBON MATERIAL

(51) International classification :C10G 1/06
(31) Priority Document No :4737/CHE/2015
(32) Priority Date :07/09/2015
(33) Name of priority country :India
(86) International Application No :PCT/EP2016/070872
Filing Date :05/09/2016
(87) International Publication No :WO/2017/042129
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)DEL PAGGIO, Alan, Anthony
4)PANCHAGNULA, Madhusudhan, Rao

(57) Abstract :
The present invention provides a process for producing liquid hydrocarbon products from a biomass, biomass containing and/or biomass-derived feedstock, said process comprising the steps of: a) contacting the feedstock with a first hydropyrolysis catalyst composition and molecular hydrogen in a first hydropyrolysis reactor vessel at a temperature in the range of from 350 to 600°C and a pressure in the range of from 0.50 to 7.50MPa, to produce a product stream comprising partially deoxygenated hydropyrolysis product, H20, H2, C02, CO, CI - C3 gases, char and catalyst fines; b) removing said char and catalyst fines from said product stream; c) hydroconverting said partially deoxygenated hydropyrolysis product in a hydroconversion reactor vessel in the presence of one or more hydroconversion catalyst compositions and of the H20, C02, CO, H2, and CI - C3 gas generated in step a), to produce a vapour phase product comprising substantially fully deoxygenated hydrocarbon product, H20, CO, C02, and CI - C3 gases, wherein one or more of the first hydropyrolysis catalyst composition and the hydroconversion catalyst composition is prepared by a process comprising combining a porous support with one or more catalytically active metals selected from Group VI and Group VIII of the Periodic Table, thereby forming a catalyst precursor having a volatile content, and reducing the volatile content of the catalyst precursor in one or more steps, wherein at least one volatile content reduction step is performed in the presence of one or more sulfur containing compounds; and wherein the catalyst precursor does not reach calcining temperatures prior to said at least one combined volatile content reduction-sulfurizing step.

No. of Pages : 53 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/02/2018

(21) Application No.201847007012 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST PROSTATE CANCER AND OTHER CANCERS

(51) International classification :C07K 14/47
(31) Priority Document No :62/201,289
(32) Priority Date :05/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/068727
Filing Date :05/08/2016
(87) International Publication No :WO/2017/021527
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)SCHOOR, Oliver
4)FRITSCHE, Jens
5)SINGH, Harpreet
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7)LEIBOLD, Julia

(57) Abstract :
ABSTRACT The present invention relates to peptides, proteins, nucleic acids and cells for use in immunotherapeutic methods. In particular, the present invention relates to the immunotherapy of cancer. The present invention furthermore relates to tumor associated T-cell peptide epitopes, alone or in combination with other tumor-associated peptides that can for example serve as active pharmaceutical ingredients of vaccine compositions that stimulate anti-tumor immune responses, or to stimulate T cells ex vivo and transfer into patients. Peptides bound to molecules of the major histocompatibility complex (MHC), or peptides as such, can also be targets of antibodies, soluble T-cell receptors, and other binding molecules.

No. of Pages : 153 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007097 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ULTRA LOW REFLECTIVITY HYDROPHOBIC COATING AND METHOD THEREFOR

(51) International classification :B05D 5/08
(31) Priority Document No :1515271.3
(32) Priority Date :27/08/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/052675
Filing Date :26/08/2016
(87) International Publication No :WO/2017/033031
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MCKENNA, Dr Fiona-Mairead
2)HOWLETT, Guy Alexander
3)JENSEN, Ben Poul

(57) Abstract :
A low reflectivity coating (40, 80/82) is provided on a substrate (22). The coating includes a layer of substantially vertically aligned carbon nanotubes (40) on an exposed surface (21) of the substrate. Provided on and extending partially within the carbon nanotube layer (40) is a hydrophobic coating (80, 82), in the preferred embodiment of or containing fluorocarbon. The hydrophobic coating (80, 82) prevents any settling or ingress of water particles onto or into the carbon nanotube layer (40) and as a result increases the stability of the carbon nanotube layer during use (40) whilst improving the low reflectivity of the film.

No. of Pages : 45 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2018

(21) Application No.201847007338 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LIGHTING DEVICE WITH CERAMIC GARNET

(51) International classification :C09K 11/77
(31) Priority Document No :15187306.4
(32) Priority Date :29/09/2015
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :PCT/EP2016/071084
Filing Date :07/09/2016
(87) International Publication No :WO/2017/055041
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)PEETERS, Martinus, Petrus, Joseph

(57) Abstract :
The invention provides a lighting device (1) comprising a plurality of solid state light sources (10) and an elongated ceramic body (100) having a first face (141) and a second face (142) defining a length (L) of the elongated ceramic body (100), the elongated ceramic body (100) comprising one or more radiation input faces (111) and a radiation exit window (112), wherein the second face (142) comprises said radiation exit window (112), wherein the plurality of solid state light sources (10) are configured to provide blue light source light (11) to the one or more radiation input faces (111), wherein the blue light source light (11) has an peak maximum (Xexl), wherein the elongated ceramic body (100) comprises a ceramic material (120) configured to wavelength convert at least part of the blue light source light (11) into converter light (101), wherein the ceramic material (120) comprises an A3B50i2:Ce3+ ceramic material, wherein A comprises yttrium (Y) and gadolinium (Gd), and wherein B comprises aluminum (Al), wherein A comprises in the range of 10-50 atom % Gd, and wherein the ceramic material (120) comprises 0.5-3.5 mole % Ce, wherein the ceramic material (120) comprises an absorption spectrum having an absorption peak maximum (Xa), wherein the peak maximum (Xexl) is unequal to the absorption peak maximum (ka).

No. of Pages : 30 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2018

(21) Application No.201847007363 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : GAS-INSULATED MEDIUM VOLTAGE SWITCHGEAR WITH A CIRCUIT BREAKER POLE PART ARRANGEMENT

(51) International classification :H01H 33/56
(31) Priority Document No :15183183.1
(32) Priority Date :31/08/2015
(33) Name of priority country :EPO
(86) International Application No :
Filing Date PCT/EP2016/070414
:30/08/2016
(87) International Publication No :WO/2017/037063
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SAUER, Manfred

(57) Abstract :
The invention relates to a gas-insulated medium voltage switchgear with a circuit breaker pole part arrangement in a gastight compartment of the switchgear, and with a drive arrangement for switching actuation of the circuit breaker, wherein the drive as well as the pole part arrangement is fixed on a common plate or frame, which is provided with a gastight sealing, and is closing the aforesaid compartment gastightly in such, that in the completely mounted position of the plate or frame, the pole parts are positioned inside, and the drive is positioned outside the aforesaid gastight compartment, according to the preamble of claim 1. In order to overcome constructural disadvantages, which may coincidently lead to further advantages in a method of assembling such a medium voltage vacuum circuit breaker for gas-insulated switchgear, the in invention is, that a standarized circuit breaker drive (8) is adaptable to switchgear arrangements with different pole distances (x, y), and that the plate or frame (2) is provided with holes, in which gastight mechanical feedtroughs (3) are arranged in, through which the drive (8) is coupled with each of the vacuum interrupters in the pole parts (1), and that by predefinable positioning of the holes, the plate or frame (2) can easily be adapted to the pole distance (x, y) in the gastight compartment.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2018

(21) Application No.201847007378 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VEHICLE SEAT LOCKING DEVICE

(51) International classification :B62J 1/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/075484
Filing Date :08/09/2015
(87) International Publication No :WO/2017/042888
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MIYAZAWA, Yoshiyuki
2)KIKUNO, Junji
3)TAKANO, Masayoshi
4)MINE, Keigo

(57) Abstract :
ABSTRACT A vehicle seat locking device is provided in which an engagement member having a locking claw capable of engaging with a seat hook provided on a riding seat is driven from the engagement position to the engagement release position in response to an operation by a vehicle user and is urged by urging means toward the engagement position side, wherein the urging means (30) is arranged so as to apply an urging force, generated in response to operation of the riding seat and the seat hook (27) from the open position to the closed position, to the engagement member (29) toward the engagement position side and to the seat hook (27) having the locking claw (28) engaged therewith in a direction in which the seat hook (27) is pushed toward the locking claw (28) side. This enables a seat locked state to be maintained with a simple structure.

No. of Pages : 23 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007141 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MANAGING A DEVICE CLOUD

(51) International classification :H04L 29/06
(31) Priority Document No :62/201,496
(32) Priority Date :05/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/045679
Filing Date :05/08/2016
(87) International Publication No :WO/2017/024189
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)KOWALEWSKI, Damian
6)YAKOVLEV, Georgiy
7)CHHABRA, Anupma
8)LAWRENCE, Zachary, Chee-Ping
9)AHMAD, Rizwan
10)TIEN, Dung, Nguyen
11)ESCARENO, Angelica, Estefania
12)BIGIO, Aidymar

(57) Abstract :
Particular embodiments of a gateway computing device provide a provisioning service for access credentials to a restricted network, wherein the provisioning service is accessible by an open network. A messaging protocol for the open network may only recognize messages relating to one of a set of services provided by the gateway computing device, including the provisioning service. The gateway computing device may receive, from a client device, a request to connect to the restricted network, wherein the request was sent using the open network. Upon determining whether the client device is authorized to access the restricted network, the gateway computing device may send a response to the client device using the open network.

No. of Pages : 85 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007143 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR AUTOMATIC LIGHTING FIXTURE LOCATION MAPPING

(51) International classification :H05B 37/02
(31) Priority Document No :62/220515
(32) Priority Date :18/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/069976
Filing Date :24/08/2016
(87) International Publication No :WO/2017/045885
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HU, Jia
2)PATEL, Maulin, Dahyabhai

(57) Abstract :
Lighting systems and methods for lighting fixture location mapping, for example, using a combination of photosensing and/or other type of signaling, such as radiofrequency (RF) signaling is provided. The lighting systems may map a plurality of lighting fixtures to a plurality of spatial locations in a floor plan using the signal generating capabilities and sensors that are located within each of the lighting fixtures. The commissioning of the lighting fixtures may be automatically determined using a control system without significant manual intervention. In particular, the lighting fixtures may be mapped to their respective spatial locations by applying a heuristic analysis of strength of signals emitted and received between light fixtures and distances as provided in a building plan between spatial locations to which the light fixtures may be correlated.

No. of Pages : 42 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007144 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TRANSMITTING LOGICAL DALI SIGNALS WIRELESSLY

(51) International classification :H05B 37/02
(31) Priority Document No :15181675.8
(32) Priority Date :20/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069516
Filing Date :17/08/2016
(87) International Publication No :WO/2017/029326
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)NIEUWLANDS, Eric, Johannes, Hendricus, Cornelis, Maria

(57) Abstract :
A system for transmitting a logical Digital Addressable Lighting Interface (DALI) signal wirelessly is disclosed. The system comprises a transmitter (300) for transmitting the logical DALI signal and a receiver (302) for receiving the transmitted signal. The transmitter comprises a first coil (310) that is inductively coupled to a second coil (314) in the receiver. The transmitter comprises a first conversion module (306) that is configured to receive the logical DALI. The first conversion module, comprises a first amplifier (307) for amplifying the logical DALI signal so as to generate a drive current for the first coil to generate an induction signal in the second coil. The receiver (302) comprises the second coil (314) inductively coupled to the first coil for receiving the induction signal. Additionally, the receiver comprises a second conversion module (318) coupled to the second coil for converting the received induction signal into a reconstructed logical DALI signal. The second conversion module comprises a bit reconstruction module (309) for converting the induction signal into the reconstructed logical DALI signal that enables the control of DALI control gear (322). Fig. 3

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007145 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MEAT LIGHTING SYSTEM WITH IMPROVED EFFICIENCY AND RED OVERSATURATION

(51) International classification :F21V 9/16
(31) Priority Document No :15183250.8
(32) Priority Date :01/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069419
Filing Date :16/08/2016
(87) International Publication No :WO/2017/036789
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)PEETERS, Martinus, Petrus, Joseph
2)BROERSMA, Rmy, Cyrille
3)HENDRIKS, Ren, Jan

(57) Abstract :
ABSTRACT MEAT LIGHTING SYSTEM WITH IMPROVED EFFICIENCY AND RED OVERSATURATION The invention provides a lighting system (100), configured to provide lighting system light (101), the lighting system comprising: a light source (10) configured to provide light source light (11) with light intensity in the blue spectral region; a first luminescent material (210) configured to convert at least part of the light source light (11) into first luminescent material light (211) with light intensity in the green spectral region and having a full width half maximum (FWHM) of at least 90 nm; a second luminescent material (220) configured to convert (i) at least part of the light source light (11), or (ii) at least part of the light source light (11) and at least part of the first luminescent material light (211) into second luminescent material light (221) with light intensity in the spectral region of 610-680 nm; wherein the lighting system (100) is configured to provide at a first setting of the lighting system (100) lighting system light (101) comprising said light source light (11), said first luminescent material light (211) and said second luminescent material light (221) having a color point (x;y) with x=0.38 ±0.1 and with y=0.28±0.1. Fig. la

No. of Pages : 30 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2018

(21) Application No.201847007421 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : RULES ENGINE FOR CONNECTED DEVICES

(51) International classification	:H04L 29/08 (2006.01)
(31) Priority Document No	:62/201,496
(32) Priority Date	:05/08/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/045680 :05/08/2016
(87) International Publication No	:WO/2017/024190
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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7)CHHABRA, Anupma
8)LAWRENCE, Zachary, Chee- Ping
9)AHMAD, Rizwan
10)TIEN, Dung, Nguyen
11)ESCARENO, Angelica, Estefania
12)BIGIO, Aidymar

(57) Abstract :
In one embodiment, a method includes receiving notifications of events associated with the connected devices, evaluating a plurality of event sequences that include two or more events occurring within a particular time period, and generating a plurality of rules based on the evaluated event sequences. The method further includes receiving a notification of a first event associated with a first connected device on the network, determining that a first rule of the plurality of rules is based on the first event, and sending one or more instructions to connected devices in accordance with the first rule. Fig. 4

No. of Pages : 67 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2018

(21) Application No.201847007465 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ELECTRONIC DEVICES WITH IMPROVED IRIS RECOGNITION AND METHODS THEREOF

(51) International classification :G06K 9/00
(31) Priority Document No :14/883,869
(32) Priority Date :15/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/055380
Filing Date :05/10/2016
(87) International Publication No :WO/2017/066047
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DASS, Shachindra

(57) Abstract :
An electronic device and a method for improving iris recognition for providing access to the electronic device. The electronic device includes an iris scanner, an ambient light sensor, a memory and a processor. The memory includes computer program code for providing access control to the electronic device to a user by iris recognition of the users iris. The processor causes the electronic device to prompt the user to provide iris samples of the users iris to the iris scanner in a particular lighting condition measured by the ambient light sensor in occurrence of at least one of first event and second event. The first event occurs if the processor determines a missing information associated with an iris sample in the particular lighting condition in the electronic device. The second event occurs if the processor detects an unsuccessful iris recognition attempt for accessing the electronic device in the particular lighting condition.

No. of Pages : 45 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/02/2018

(21) Application No.201847007466 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PERFORMANCE OPTIMIZATIONS FOR EMULATORS

(51) International classification :G06F 9/455
(31) Priority Document No :14/873,100
(32) Priority Date :01/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/053687
Filing Date :26/09/2016
(87) International Publication No :WO/2017/058704
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)KISHAN, Arun U.

(57) Abstract :
ABSTRACT PERFORMANCE OPTIMIZATIONS FOR EMULATORS One embodiment illustrated herein includes a method that may be practiced in a computing environment with a guest architecture running a native architecture system. The method includes acts for handling function calls. The method includes receiving a call to a target binary, wherein the call is in a format for the guest architecture. The method further includes determining that the call is to a binary that is a hybrid binary. The hybrid binary includes a native function compiled into a native architecture binary code using guest architecture source code and a specialized thunk to handle an incompatibility between the guest architecture and the native architecture. The method further includes invoking the specialized thunk to allow the native function in the hybrid binary to be executed natively on the native architecture system.

No. of Pages : 49 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2018

(21) Application No.201847007484 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SEAT LOCK DEVICE FOR VEHICLE

(51) International classification :B62J 1/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/075483
Filing Date :08/09/2015
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MIYAZAWA, Yoshiyuki

(57) Abstract :
A seat lock device for a vehicle is provided in which an engagement lever having a locking claw capable of engaging with a seat hook is pivotably supported on a housing so as to be pivoted from the engagement position to the engagement release position in response to operation by a vehicle user, the engagement lever is urged toward the engagement position side by urging means, and the locking claw of the engagement lever is engaged with the seat hook in response to operation of the seat hook accompanying movement of the riding seat toward the closed position side, wherein the urging means (31) is formed so that in a state in which the riding seat is in the open position, the urging means (31) makes the engagement lever (29) on the engagement release position side pivot toward the engagement position side in response to the riding seat and the seat hook (27) being operated from the open position to the closed position and applies an urging force to the seat hook (27) in a direction in which the seat hook (27) engages with the locking claw (30) while applying an urging force to the engagement lever (29) toward the engagement position side. This enables a seat locked state to be maintained with a simple structure.

No. of Pages : 22 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641012182 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COMPOSITION OF ORGANIC MANURE, METHOD AND APPLICATIONS THEREOF

(51) International classification :C05F11/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present disclosure is in the field of Agricultural and Horticultural Sciences. In particular, the disclosure relates to an organic manure composition comprising caster cake at a concentration of about 87.5 % wt/wt to 98 % wt/wt and a plant growth supplement at a concentration of about 2 % wt/wt to 12.5 % wt/wt, wherein the plant growth supplement comprises nutrient at a concentration ranging from about 0.25 % wt/wt to 2 % wt/wt. The composition further comprises plant growth supplements selected from organic compound, algae and/or it™s extract and combinations thereof. The disclosure also provides process of preparing said composition and it™s applications for improving soil fertility and enhancing plant growth among other advantages.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201641012186 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FORTIFIED ORGANIC MANURE COMPOSITION, METHOD AND APPLICATIONS THEREOF

(51) International classification :C05F11/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The present disclosure is in the field of Agricultural and Horticultural Sciences. In particular, the disclosure relates to a composition comprising caster cake at a concentration of about 81 % wt/wt to 92.75 % wt/wt and a plant growth supplement at a concentration of about 7.25 % wt/wt to 19 % wt/wt, wherein the plant growth supplement comprises nutrient at a concentration ranging from about 2.5 % wt/wt to 4 % wt/wt. The composition further comprises plant growth supplements selected from organic compound, algae and/or it™s extract and combinations thereof. The disclosure also provides process of preparing said composition and it™s applications for improving soil fertility and enhancing plant growth among other advantages.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/03/2018

(21) Application No.201847009494 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : APERTURE MULTIPLIER USING A RECTANGULAR WAVEGUIDE

(51) International classification :G02F 1/335
(31) Priority Document No :62/405,936
(32) Priority Date :09/10/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2017/051028
Filing Date :12/09/2017
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DANZIGER, Yochay

(57) Abstract :
An optical aperture multiplier includes a first optical waveguide (10) having a rectangular cross-section and including partially reflecting surfaces (40) at an oblique angle to a direction of elongation of the waveguide. A second optical waveguide (20), also including partially reflecting surfaces (45) at an oblique angle, is optically coupled with the first optical waveguide (10). An image coupled into the first optical waveguide with an initial direction of propagation at an oblique coupling angle advances by four-fold internal reflection along the first optical waveguide, with a proportion of intensity of the image reflected at the partially reflecting surfaces so as to be coupled into the second optical waveguide, and then propagates through twofold reflection within the second optical waveguide, with a proportion of intensity of the image reflected at the partially reflecting surfaces so as to be directed outwards from one of the parallel faces as a visible image.

No. of Pages : 65 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/03/2018

(21) Application No.201847009617 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STARTING POWER GENERATION APPARATUS AND STARTING POWER GENERATION METHOD

(51) International classification :H02P 9/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/077936
Filing Date :01/10/2015
(87) International Publication No :WO/2017/056289
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)ARAI, Tatsuya

(57) Abstract :
ABSTRACT STARTING POWER GENERATION APPARATUS AND STARTING POWER GENERATION METHOD Provided are: a starter generator including a field portion having a permanent magnet, and an armature unit including a first multi-phase winding and a second multi-phase winding which are arranged in parallel; a first power conversion unit including a first positive-side DC terminal connected to a battery and a plurality of first AC terminals connected to the first multi-phase winding, the first power conversion unit being configured to convert a power bidirectionally between DC and AC; a second power conversion unit including a plurality of second AC terminals connected to the second multi-phase winding, the second power conversion unit being configured to control a current to be input and output via the second AC terminals; and a control unit configured to detect a positional relationship between the field portion and the armature unit based on an output voltage of the second multi-phase winding, and control the first power conversion unit and the second power conversion unit in accordance with the detected positional relationship.

No. of Pages : 84 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/03/2018

(21) Application No.201847008948 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND SYSTEMS OF PERFORMING PREDICTIVE RANDOM ACCESS USING A BACKGROUND PICTURE

(51) International classification :H04N 19/105
(31) Priority Document No :62/238,647
(32) Priority Date :07/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/055364
Filing Date :04/10/2016
(87) International Publication No :WO/2017/062377
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)CHEN, Ying
2)ZHANG, Xuerui
3)TIWARI, Mayank
4)BI, Ning
5)PANDA, Prasanjit

(57) Abstract :
Techniques and systems are provided for performing predictive random access using a background picture. For example, a method of decoding video data includes obtaining an encoded video bitstream comprising a plurality of pictures. The plurality of pictures include a plurality of predictive random access pictures. A predictive random access picture is at least partially encoded using inter-prediction based on at least one background picture. The method further includes determining, for a time instance of the video bitstream, a predictive random access picture of the plurality of predictive random access pictures with a time stamp closest in time to the time instance. The method further includes determining a background picture associated with the predictive random access picture, and decoding at least a portion of the predictive random access picture using inter-prediction based on the background picture.

No. of Pages : 106 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/03/2018

(21) Application No.201847009013 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ANHYDROUS TOOTH WHITENING COMPOSITIONS COMPRISING CETYLPYRIDINIUM CHLORIDE

(51) International classification :A61Q 11/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/049884
Filing Date :14/09/2015
(87) International Publication No :WO/2017/048216
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ROBBINS, KYLE
2)PILLAI, SHYAMALA
3)SMITH-WEBSTER, KIMDRA (deceased)
4)NESTA, JASON

(57) Abstract :
Disclosed herein are a tooth whitening compositions comprising at least one hydrophobic polymer carrier; cetylpyridinium chloride; and at least one whitening agent, wherein the composition is free of water. Also disclosed herein are methods for reducing microbial growth on the surface of an oral care device comprising contacting the oral care device with saliva and a tooth whitening composition comprising at least one hydrophobic polymer carrier; cetylpyridinium chloride; and at least one whitening agent, wherein the composition is free of water..

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/03/2018

(21) Application No.201847009021 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : EYELID SHAPE ESTIMATION USING EYE POSE MEASUREMENT

(51) International classification :G01J 1/60
(31) Priority Document No :62/208,519
(32) Priority Date :21/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/047177
Filing Date :16/08/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1) KAEHLER, Adrain

(57) Abstract :
ABSTRACT EYELID SHAPE ESTIMATION USING EYE POSE MEASUREMENT Systems and methods for eyelid shape estimation are disclosed. In one aspect, after receiving an eye image of an eye (e.g., from an image capture device), an eye pose of the eye in the eye image is determined. From the eye pose, an eyelid shape (of an upper eyelid or a lower eyelid) can be estimated using an eyelid shape mapping model. The eyelid shape mapping model relates the eye pose and the eyelid shape. In another aspect, the eyelid shape mapping model is learned (e.g., using a neural network).

No. of Pages : 49 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/03/2018

(21) Application No.201847009119 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MULTIPLE CAMERA AUTOFOCUS SYNCHRONIZATION •

(51) International classification :H04N 5/232
(31) Priority Document No :14/919,623
(32) Priority Date :21/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052933
Filing Date :21/09/2016
(87) International Publication No :WO/2017/069902
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DAYANA, Venkata Ravi Kiran
2)SHANMUGAVAD IVELU, Karthikeyan
3)RAVIRALA, Narayana Karthik Sadanandam

(57) Abstract :
ABSTRACT MULTIPLE CAMERA AUTOFOCUS SYNCHRONIZATION • A method of performing an image autofocus operation using multiple cameras includes performing, at an image processor, a first autofocus operation on a first region of interest in a scene captured by a first camera and determining a second region of interest in the scene captured by a second camera. The second region of interest is determined based on the first region of interest. The method further includes performing a second autofocus operation on the second region of interest. The method also includes fusing a first image of the scene captured by the first camera with a second image of the scene captured by the second camera to generate a fused image. The first image is based on the first autofocus operation and the second image is based on the second autofocus operation. [Fig. 1A & 1B]

No. of Pages : 36 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/03/2018
(21) Application No.201847009254 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CURRENCY MANAGEMENT SYSTEM AND CURRENCY MANAGEMENT METHOD

(51) International classification :G07D 9/00
(31) Priority Document No :2015-182430
(32) Priority Date :16/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/077112
Filing Date :14/09/2016
(87) International Publication No :WO/2017/047641
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)NUMATA, Toshio
2)INOUE, Masaki

(57) Abstract :
One object is to easily manage a large number of banknotes. A money management system includes a banknote handling apparatus having a serial number reading unit that reads a serial number of each banknote to be grouped, and a management server having a control unit that manages by grouping the serial numbers read by the serial number reading unit, receives an input of a target serial number, identifies a target group containing the target serial number from among the groups and outputs the serial numbers of all the banknotes belonging to the target group.

No. of Pages : 46 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/01/2018

(21) Application No.201847000384 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROGRAM AND SYSTEM FOR EARLY DETECTION AND PREVENTION OF MILD DEMENTIA

(51) International classification	:A61B10/00,H04N13/00,H04N13/02
(31) Priority Document No	:2015115074
(32) Priority Date	:05/06/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/066615 :03/06/2016
(87) International Publication No	:WO 2016/195082
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)TAHARA Hirofumi

(57) Abstract :
[Problem] To achieve early detection and prevention of mild dementia by viewing with both left and right eyes in a balanced manner which by stimulating and activating the left brain and right brain in a balanced manner easily alleviates the progression of cognitive function decline and promotes recovery of cerebral vision. [Solution] The invention consists of: generating a stereoscopic image area A2 for displaying stereoscopic images; displaying a plurality of objects Ob21 Ob22 within a virtual space constructed in the stereoscopic image area A2 with the positions or orientations thereof changing rotating the plurality of objects Ob21 Ob22 at an arbitrary speed centered on an arbitrary centroid position P2 established within the virtual space and also changing the color of the objects at an arbitrary timing and duration; and recording as a test result of spatial recognition ability and situational judgment ability the time difference between the timing and duration of the change in color of the objects Ob21 Ob22 and a user operation on user interfaces G22 G23 as well as the accuracy of the user operation.

No. of Pages : 39 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/01/2018

(21) Application No.201847000385 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TESTING ARRANGEMENT FOR EXAMINING A CELL CULTURE UNDER THE EFFECT OF A DYNAMIC FORCE

(51) International classification :C12M 3/00
(31) Priority Document No :10 2015 109 087.2
(32) Priority Date :09/06/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/063082
Filing Date :08/06/2016
(87) International Publication No :WO/2016/198482
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)MECKEL, Tobias
2)SAPPER, Eva
3)SCHMITT,Ljubomira Ana

(57) Abstract :
The invention relates to a test arrangement (1) for examining a cell culture (12) under the effect of a dynamic force, having a three-dimensionally designed support structure (4) which is designed such that the cell culture (12) is embedded into the support structure (4). By applying a 5 force, the support structure (4) is deformed, wherein a force application device has a first actuator (5) which acts on the support structure (4) at a distance from the cell culture (12) embedded in the support structure (4). The force application device has a second actuator (6) and a third actuator (7), each of which acts on the support structure (4) at a distance from the cell culture (12) embedded in the support structure (4). The third actuator (7) exerts a force onto the support 10 structure (4), said force being oriented differently than the force exerted by the first actuator (5) and the force exerted the second actuator (6).

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018

(21) Application No.201847012365 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR PRODUCING RETINAL PIGMENT EPITHELIAL CELLS

(51) International classification :C12N 5/071
(31) Priority Document No :2015-176896
(32) Priority Date :08/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/076524
Filing Date :08/09/2016
(87) International Publication No :WO/2017/043605
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)ANDO, Satoshi
2)KURODA, Takao

(57) Abstract :
Abstract The present invention provides a method for more efficiently producing retinal pigment epithelial cells from pluripotent stem cells. The method of the present invention for producing retinal pigment epithelial cells includes the following steps: (1) a first step for culturing a pluripotent stem cell in a medium comprising an FGF receptor inhibitor and/or an MEK inhibitor for a period of not more than 30 days, and (2) a second step for culturing the cell obtained in the first step in the presence of a Nodal signal transduction pathway inhibitor and/or a Wnt signal transduction pathway inhibitor t form a retinal pigment epithelial cell.

No. of Pages : 105 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018
(21) Application No.201847012366 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ANALYTICS DRIVEN WIRELESS DEVICE SESSION CONTEXT HANDOVER IN OPERATOR CLOUD

(51) International classification :H04W 36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/EP2015/072769
Filing Date :02/10/2015
(87) International Publication No :WO/2017/054883
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)FU, Jing
2)KVERNVIK, Tor
3)YANG, Jinghong

(57) Abstract :
ABSTRACT ANALYTICS DRIVEN WIRELESS DEVICE SESSION CONTEXT HANDOVER IN OPERATOR CLOUD A method and apparatus for analytics-driven wireless device session context handover in an operator cloud are provided. According to one aspect, some embodiments include a method for a network node to determine whether to perform a wireless device session context handover. The method includes determining, at the network node, a first cost of not handing over a wireless device session context based at least in part on a calculated estimate of time the wireless device will stay associated with a current base station and a calculated estimate of a cost per unit time of not performing the handover. The method also includes determining, at the network node, a second cost of handing over the wireless device session context based at least in part on at least one of context-related data, base station load, backhaul load and backhaul delay. [FIGURE 4]

No. of Pages : 33 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018
(21) Application No.201845013181 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMAGE PICKUP APPARATUS CAPABLE OF INTERCHANGING LENSES AND LENS MOUNT THEREFOR

(51) International classification :G02B7/10
(31) Priority Document No :2012-089306
(32) Priority Date :10/04/2012
(33) Name of priority country :Japan
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :1529/CHE/2013
Filed on :04/04/2013

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1)IINUMA, Futoshi
2)ERIKAWA, Kazuhiko
3)MATSUSHIMA, Atsushi

(57) Abstract :
ABSTRACT OF THE DISCLOSURE An image pickup apparatus having a lens mount capable of easily mounting and dismounting an interchangeable lens to and from an image pickup apparatus body and capable of preventing the interchangeable lens mounted to the image pickup apparatus body from being rattled. In the lens mount, by rotating a movable mount portion about an optical axis from a state where bayonet pawls of the interchangeable lens and pawls of the movable mount portion do not overlap with one another as viewed in an optical axis direction, the movable mount portion moves toward a first fixed portion in the optical axis direction with the progress of engagement between a female screw portion of a stationary mount portion and a male screw portion of the movable mount portion, whereby the pawls and the bayonet pawls are brought in abutment with one another.

No. of Pages : 59 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011240 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AUDIO SIGNAL PROCESSING

(51) International classification :G10L 21/02 (2013.01)
(31) Priority Document No :15186269.5
(32) Priority Date :22/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/072099
Filing Date :19/09/2016
(87) International Publication No :WO/2017/050669
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)JANSE, Cornelis Pieter
2)VAN STUIVENBERG, Leonardus Cornelis Antonius

(57) Abstract :
(EN)An audio signal processing apparatus comprises a receiver (403) receiving an audio signal sampled at a first sampling frequency, the audio signal having a maximum frequency below half the first sampling frequency by a first frequency margin. A filter bank (405) generates subband signals for the digital audio signal using overlapping sub-filters. A first frequency shifter (407) applies a frequency shift to at least one subband of the set of subbands and a decimator (409) decimates the subband signals by a decimation factor resulting in a decimated sampling frequency being at least twice a bandwidth of each of the overlapping sub-filters. The frequency shift for a subband is arranged to shift the subband to a frequency interval being a multiple of a frequency interval from zero to half the decimated sample frequency. The subband may be individually processed and the processed subbands may subsequently be combined to generate a full band output signal.

No. of Pages : 49 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011270 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MODULAR MONITORING DEVICE PLATFORM WITH INTERCHANGEABLE MODULES

(51) International classification :A61B 5/0205
(31) Priority Document No :62/222,665
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/072517
Filing Date :22/09/2016
(87) International Publication No :WO/2017/050878
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)CRONIN, John
2)HUFFINES ,Christopher, Michael

(57) Abstract :
ABSTRACT: Systems and methods for operating a modular pulse oximeter platform with interchangeable modules. The method comprises selecting a plurality of modules based on a health context and connecting in a serial manner the plurality of modules and a pulse oximeter platform via a plurality of connection means. The pulse oximeter interprets identification numbers from the plurality of modules and operates the connected plurality of modules accordingly. Data received from the plurality of modules are associated with each other or with pulse oximeter data.

No. of Pages : 22 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011271 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMAGE PROCESSING METHOD & APPARATUS FOR NORMALISATON AND ARTEFACT CORRECTION

(51) International classification :G06T 5/00
(31) Priority Document No :1516866.9
(32) Priority Date :23/09/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/052969
Filing Date :29/09/2016
(87) International Publication No :WO/2017/051187
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LAKSHMI, Priya
2)DIAMOND, Jim
3)HAMILTON, Peter

(57) Abstract :
(EN)A computer implemented image processing for normalising images is disclosed. The method comprises calculating, for each chunk of an image, a combination of the two largest contributions to the variations of colour of the chunk that approximates a representation of three additive colour component data elements of the each image chunk, thereby to provide a plurality of approximated image chunks. The approximated image chunks are used to determine (i) a first item of approximated image chunk data, vMin, that corresponds to a first one of the two largest contributions, and (ii) a second item of the approximated image chunk data, vMax, that corresponds to a second one of the two largest contributions, wherein the first item of approximated image chunk data and the second item of approximated image chunk data together provide a mapping transformation and for each image pixel, image pixel data is obtained comprising three additive colour component data elements of the each image pixel, and transformed using the mapping transformation to calculate normalised image pixel data for the each image pixel.

No. of Pages : 31 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012770 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SPOOL VALVE

(51) International classification :F16K 11/065
(31) Priority Document No :2015-197931
(32) Priority Date :05/10/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/079383
Filing Date :04/10/2016
(87) International Publication No :WO/2017/061400
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)NOGUCHI, Kazuhiro

(57) Abstract :
[Object] To increase the cross-sectional area around shaft portions of a spool by increasing the cross-sectional area of a valve hole and a spool without making the plate width larger than that of a known spool valve. [Solution] The cross-sectional shape of a valve hole 8 is an elongated shape having a long axis X oriented in the height direction of a housing 7 and a short axis Y oriented in the width direction of the housing 7, and has left and right hole side walls 8a, 8a that linearly extend in the long axis direction and are parallel to each other, a first hole end wall 8b that connects one ends of the left and right hole side walls 8a, 8a, and a second hole end wall 8c that connects the other ends of the left and right hole side walls 8a, 8a, and the cross-sectional shape of land portions 11 to 13 of a spool 10 is an elongated shape having a long axis X oriented in the height direction of the housing 7 and a short axis Y oriented in the width direction of the housing 7, and has left and right land side walls 25a, 25a that linearly extend in the long axis X direction and are parallel to each other, a first land end wall 25b that connects one ends of the left and right land side walls 25a, 25a, and a second land end wall 25c that connects the other ends of the left and right land side walls. [Selected Figure]

No. of Pages : 39 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012771 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VIDEO TRANSMISSION METHOD, VIDEO RECEPTION METHOD, VIDEO TRANSMISSION DEVICE, AND VIDEO RECEPTION DEVICE

(51) International classification	:H04N 21/2343
(31) Priority Document No	:62/238,155
(32) Priority Date	:07/10/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/JP2016/004021 :02/09/2016
(87) International Publication No	:WO/2017/061071
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)NISHI, Takahiro
3)IGUCHI, Noritaka

(57) Abstract :
A video transmission method according to the present disclosure includes: generating a transmission signal including, in a time series, first video data having a first luminance dynamic range and second video data having a second luminance dynamic range wider than the first luminance dynamic range! and transmitting the transmission signal generated. In the generating of the transmission signal, a signal level corresponding to a luminance value is limited to a value lower than a limit value that is predetermined, in a transition period provided for switching from one of the first video data and the second video data to the other.

No. of Pages : 71 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012774 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ANTIGEN RECEPTORS AND USES THEREOF

(51) International classification :C07K 14/725
(31) Priority Document No :PCT/EP2015/073156
(32) Priority Date :07/10/2015
(33) Name of priority country :PCT
(86) International Application No :PCT/EP2016/073792
Filing Date :05/10/2016
(87) International Publication No :WO/2017/060300
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SAHIN, Ugur
3)THEOBALD, Matthias
4)SIMON, Petra
5)BIRTEL, Matthias

(57) Abstract :
The present invention generally embraces the treatment of diseases by targeting cells expressing an antigen on the cell surface. In particular the invention relates to recombinant antigen receptors and uses thereof. T cells engineered to express such antigen receptors are useful in the treatment of diseases characterized by expression of one or more antigens bound by the antigen receptors.

No. of Pages : 116 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012775 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CASCADED LOOKUP-TABLE (LUT) CARRY LOGIC CIRCUIT

(51) International classification :H03K 19/177
(31) Priority Document No :14/851,577
(32) Priority Date :11/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051052
Filing Date :09/09/2016
(87) International Publication No :WO/2017/044812
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GAIDE, Brian, C.
2)YOUNG, Steven, P
3)KAVIANI, Alireza S.

(57) Abstract :
In an example, a configurable logic element for a programmable integrated circuit (IC) includes a first lookup-table (LUT) (302-0) including first inputs and first outputs, and first sum logic (312-0) and first carry logic (310-0) coupled between the first inputs and the first outputs; a second LUT (302-1) including second inputs and second outputs, and second sum logic (312-1) coupled between the second inputs and the second outputs; and first and second cascade multiplexers (3220, 322-1) respectively coupled to the first and second LUTs, an input of the second cascade multiplexer coupled to an output of the first carry logic in the first LUT. [Figure 3]

No. of Pages : 37 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018
(21) Application No.201847012405 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A WIRELESS DEVICE, A NETWORK NODE AND METHODS THEREIN FOR RECEIVING AND TRANSMITTING SYSTEM INFORMATION IN A WIRELESS COMMUNICATIONS NETWORK

(51) International classification :H04W 48/18
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2015/050943
Filing Date :07/09/2015
(87) International Publication No :WO/2017/044016
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)PRADAS, Jose Luis
3)RUNE, Johan
4)MILDH, Gunnar

(57) Abstract :
ABSTRACT A WIRELESS DEVICE, A NETWORK NODE AND METHODS THEREIN FOR RECEIVING AND TRANSMITTING SYSTEM INFORMATION IN A WIRELESS COMMUNICATIONS NETWORK A method performed by a wireless device (121) for receiving system information from a network node (110) in a wireless communications network (100) is provided. The wireless device first receives a first system information indicating one or more Public Land Mobile Networks, PLMNs, supported on a frequency carrier by the network node (110). Then, the wireless device determines if the one or more PLMNs indicated in the first system information exclude all PLMN(s) supported by the wireless device (121). When the one or more PLMNs indicated in the first system information does not exclude all PLMN(s) supported by the wireless device (121), then the wireless device receives a second system information comprising the one or more PLMNs supported on the frequency carrier by the network node (130). A wireless device (121) for receiving system information is also provided. Further, a network node and a method therein for transmitting system information are also provided. [FIGURE 3]

No. of Pages : 36 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018

(21) Application No.201847012406 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : HANDOVER OF A USER EQUIPMENT BETWEEN AN INDOOR AND AN OUTDOOR NETWORK NODE

(51) International classification :H04W 36/00
(31) Priority Document No :62/237,602
(32) Priority Date :06/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2016/050695
Filing Date :07/07/2016
(87) International Publication No :WO/2017/061920
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT METHODS USER EQUIPMENT AND NETWORK NODE IN A WIRELESS COMMUNICATIONS SYSTEM A method performed by a first network node is provided. The first network node, a second network node and a User Equipment, UE, operate in a wireless communications system. The first network node is located indoors, and the second network node is located outdoors. The method comprises any one out of: - when it is indicated that the UE is located indoors and is served by the second network node, adjusting (202) transmission parameters in the first network node to trigger a handover of the UE to the first network node located indoors, and - when it is indicated that the UE is located outdoors and is served by the first network node, adjusting (203) transmission parameters in the first network node to trigger a handover of the UE to the second network node located outdoors. [FIGURE 2]

No. of Pages : 47 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018
(21) Application No.201847012436 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CORRELATED ELECTRON SWITCH PROGRAMMABLE STRUCTURE

(51) International classification :H01L 27/24
(31) Priority Document No :14/848,129
(32) Priority Date :08/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/GB2016/052760
Filing Date :07/09/2016
(87) International Publication No :WO/2017/042553
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)SINHA, Saurabh
4)CLINE, Brian
5)CHANDRA, Vikas

(57) Abstract :
ABSTRACT CORRELATED ELECTRON SWITCH PROGRAMMABLE STRUCTURE The proposed apparatus comprises a plurality of metallization layers, each comprising a plurality of electrically conductive lines (601, 602, 603, 604), and correlated electron switches (610, 620, 630) to selectively provide connection between different conductive lines of the metallization layers, particularly in a three-dimensional cross-point array memory configuration.

No. of Pages : 54 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018
(21) Application No.201847012437 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND SYSTEM FOR PERFORMING COLOR FILTER OFFSETS IN ORDER TO REDUCE MOIR‰ INTERFERENCE IN A DISPLAY SYSTEM INCLUDING MULTIPLE DISPLAYS

(51) International classification :G09G 5/00
(31) Priority Document No :62/236,783
(32) Priority Date :02/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/055875
Filing Date :30/09/2016
(87) International Publication No :WO 2017/056058 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)NEWTON, John D.
3)EMSLIE, James S.
4)SINGH, Darryl

(57) Abstract :
ABSTRACT METHOD AND SYSTEM FOR PERFORMING COLOR FILTER OFFSETS IN ORDER TO REDUCE MOIRE INTERFERENCE IN A DISPLAY SYSTEM INCLUDING MULTIPLE DISPLAYS A multi-display system (e.g., a display including multiple display panels) includes at least first and second displays (e.g., display panels or display layers) arranged substantially parallel to each other in order to display three-dimensional (3D) features to a viewer(s). The first and second displays have different color filter patterns, respectively, as viewed from a point of view of a viewer of the display device, in order to reduce moire interference. [Figure 16]

No. of Pages : 42 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/03/2018

(21) Application No.201847010997 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DENSITY CLASSIFIERS BASED ON PLANE REGIONS

(51) International classification :G06T 7/11
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/065326
Filing Date :11/12/2015
(87) International Publication No :WO/2017/099804 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)WEIYUN SUN
5)MILAN JUSTEL
6)ROBERT YRACEBURU
7)STEVE O. RASMUSSEN

(57) Abstract :
In an example, a print system include a component device that is operation in a number of state, a density engine, and a component engine. An example density engine identifies a plane region of a plane where print fluid is to be printed based on data of a print job and determines a density classifier for the plane based on a location of the plane region on the plane. An example component engine causes an adjustment of a component attribute of the component device based on the density classifier.

No. of Pages : 31 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/03/2018

(21) Application No.201847011017 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD OF PERFORMING ANALOG-TO-DIGITAL CONVERSION

(51) International classification :H03M 3/00
(31) Priority Document No :15185239.9
(32) Priority Date :15/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/070912
Filing Date :06/09/2016
(87) International Publication No :WO/2017/045962
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)OUZOUNOV, Sotir Filipov
2)POL, ketan

(57) Abstract :
EN)The invention describes a method of performing analog-to-digital conversion on an input signal (Pin) within a range (R1) using a sigma-delta modulator (1) comprising a feedback digital-to-analog conversion arrangement (12, 120), which method comprises the steps of: obtaining an amplitude estimate (E1, E2, E3, E4) of the input signal (Pin); defining a subsequent subrange (R2, R3, R4) on the basis of the amplitude estimate (E1, E2, E3); and adjusting operation parameters of the feedback digital-to-analog conversion arrangement (12, 120) on the basis of the subsequent subrange (R2, R3, R4); whereby the method steps are repeated a predefined number of iterations (N). The invention further describes a sigma-delta modulator (1), an analog-to-digital converter (50), and a monitoring device (5) for monitoring an analog input signal (Pin).

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/03/2018

(21) Application No.201847011018 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ACUPRESSURE DEVICE

(51) International classification :A61H 39/04
(31) Priority Document No :15185504.6
(32) Priority Date :16/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/071568
Filing Date :13/09/2016
(87) International Publication No :WO/2017/046089
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ZHANG, Yanchun
4)LENSSEN, Kars-Michiel Hubert
5)TEN KATE, Warner Rudolph Theophile
6)IVANOV, Alex

(57) Abstract :
EN)The invention provides a health device for automatically administering skin pressure-based therapies to a user. The device comprises one or more actuator members, each comprising a smart shape-changing material of a class which is disposed to change shape in response to a change in temperature or to the application of an electrical stimulus. The actuator members are controlled by a controller to apply pressure to one or more points on a users skin.

No. of Pages : 34 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/03/2018

(21) Application No.201847011019 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR PRODUCING A RADIATION DETECTOR AND RADIATION DETECTOR

(51) International classification :H01L 27/30
(31) Priority Document No :15185586.3
(32) Priority Date :17/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/072065
Filing Date :16/09/2016
(87) International Publication No :WO/2017/046390
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)BAKEN, Joanna Maria Elisabeth
3)COEHOORN, Reinder
4)VAN HAL, Paulus Albertus
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6)HUMMEL, Helga
7)RONDA, Cornelis Reinder
8)SIMON, Matthias

(57) Abstract :
ABSTRACT: The invention relates to a method for producing a radiation detector used to detect ionizing radiation including a first inorganic-organic halide Perovskite material (24) as a direct converter material and/or as a scintillator material in a detector layer and to a radiation detector comprising a detector layer (24) produced by means of the steps of the method. In order to provide an approach for producing a thick layer (e.g. above 10 urn) of Perovskite material suitable for a radiation detector, it is proposed to grow the material selectively on a seeding layer (23), yielding in a thick polycrystalline layer. One suitable seeding layer (23) to grow lead Perovskite material is made of a bromide Perovskite material.

No. of Pages : 19 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/03/2018

(21) Application No.201847011057 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COMPRESSED AIR STORAGE POWER GENERATING DEVICE AND COMPRESSED AIR STORAGE POWER GENERATION METHOD

(51) International classification :F02C 6/16
(31) Priority Document No :2015-191668
(32) Priority Date :29/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/077880
Filing Date :21/09/2016
(87) International Publication No :WO/2017/057144
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)SATO, Takashi
4)SAKAMOTO, Kanami
5)TOSHIMA, Masatake
6)KUBO, Yohei

(57) Abstract :
A compressed air storage power generation apparatus 2 is provided with a motor 8a, a compressor 10, a pressure accumulation tank 12, an expander 14, a generator 16, a first heat exchanger 18a and a cold heat extracting unit 13. The motor 8a is driven by input power generated using renewable energy. The compressor 10 is mechanically connected to the motor 8a and compresses air. The pressure accumulation tank 12 accumulates the compressed air compressed by the compressor 10. The expander 14 is driven by the compressed air supplied from the pressure accumulation tank 12. The generator 16 is mechanically connected to the expander 14. The first heat exchanger 18a exchanges heat between the compressed air supplied from the compressor 10 and a heat medium and cools the compressed air to room temperature. The cold heat extracting unit 13 extracts air serving as working fluid as cold air of the room temperature or lower. Due to this configuration, the compressed air energy storage power generation apparatus 2 capable of smoothing input power that varies irregularly and efficiently performing heating and cooling with the input power is provided.

No. of Pages : 35 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012776 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IN-LINE NASAL DELIVERY DEVICE

(51) International classification :A61M 11/02
(31) Priority Document No :62/216,789
(32) Priority Date :10/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051169
Filing Date :09/09/2016
(87) International Publication No :WO/2017/044897
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FULLER, Christopher
3)KOHRING, Craig

(57) Abstract :
A delivery device for a compound including: a housing, vial holding a compound; and a source of propellant, wherein the housing provides an inlet and an outlet for the vial, wherein the inlet is in fluid communication with the source of propellant and is directed against the in-line nasal delivery devicecompound and the outlet allows for delivery of the compound. [Figure 1]

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012792 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COMMUNICATION LINK ESTABLISHMENTS VIA IDENTIFIERS

(51) International classification :H04L 29/06
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/061515
Filing Date :19/11/2015
(87) International Publication No :WO/2017/086964
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ROBERT CAMPBELL

(57) Abstract :
COMMUNICATION LINK ESTABLISHMENTS VIA IDENTIFIERS ABSTRACT Example implementations relate to establishing communication links with electronic devices. As an example, a computing device includes a data acquisition device to obtain global unique identifier (GUID) of an electronic device using a first communication protocol. The computing device also includes a processor to authenticate the electronic device based on the GUID. The processor is also to determine device characteristic information associated with the electronic device based on the GUID. The processor is further to establish a communication link with the electronic device based on the device characteristic information and the GUID. The communication link is implemented based on a second communication protocol that is different from the first communication protocol. [FIG. 1]

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012795 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LOW-CAVITATION IMPELLER AND PUMP

(51) International classification :F04D 29/66
(31) Priority Document No :14/874,166
(32) Priority Date :02/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/054454
Filing Date :29/09/2016
(87) International Publication No :WO/2017/059074
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DOLL, Corey, Mathew
2)MAYS, Harold, House

(57) Abstract :
LOW-CAVITATION IMPELLER AND PUMP ABSTRACT OF THE DISCLOSURE A low-cavitation impeller for a centrifugal pump is provided. The impeller provides a smooth flow path from the inducer section through to the outlet section. Continuous main blades run from a leading edge at the inlet eye to a trailing edge at the impeller outlet, and continuous secondary blades run from a leading edge in the transition region to a trailing edge at the impeller outlet.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012806 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COLOR CONVERSION COMPOSITION, COLOR CONVERSION SHEET, AND LIGHT SOURCE UNIT, DISPLAY, LIGHTING SYSTEM, BACKLIGHT UNIT, LED CHIP AND LED PACKAGE CONTAINING SAME

(51) International classification :G02B 5/20
(31) Priority Document No :2015-200792
(32) Priority Date :09/10/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/079120
Filing Date :30/09/2016
(87) International Publication No :WO/2017/061337
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
A color conversion composition that is one aspect of the present invention contains component (A) and component (B) and converts incident light into light having a longer wavelength than the incident light. This color conversion composition and a color conversion sheet containing same can be used in a light source unit, a display, a lighting system, a backlight unit, an LED chip and an LED package. Component (A) is an organic luminescent material. Component (B) is at least one of a polyester resin having a partial structure represented by general formula (1) in the molecular structure, and a resin having a bisphenol structure represented by general formula (2). (Y is a divalent saturated aliphatic hydrocarbon group having at least 1 tertiary or quaternary carbon atom.) (R1 and R2 each denote a hydrogen atom or an organic group having 1-20 carbon atoms. R1 and R2 may be the same as, or different from, each other.

No. of Pages : 155 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012815 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ENHANCED SERIAL PERIPHERAL INTERFACE

(51) International classification :G06F 13/42
(31) Priority Document No :14/860,568
(32) Priority Date :21/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/049105
Filing Date :26/08/2016
(87) International Publication No :WO/2017/053010
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MISHRA, Lalan Jee
2)WIETFELDT, Richard Dominic

(57) Abstract :
A modified serial peripheral interface (SPI) is provided in each of a master device and a plurality of slave devices that does not use a slave select line. The master device may thus engage in full-duplex serial communication with each slave device through an SPI MOSI line, an SPI MISO line, and an SPI clock line.

No. of Pages : 24 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013025 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MANAGING POWER DOWN MODES

(51) International classification :G06F1/32
(31) Priority Document No :4955/CHE/2015
(32) Priority Date :16/09/2015
(33) Name of priority country :India
(86) International Application No :PCT/US2016/049504
Filing Date :30/08/2016
(87) International Publication No :WO 2017/048503
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BANERJEE, Sarbartha
2)MISRA, Rakesh

(57) Abstract :
An apparatus includes a first circuit configured to receive one or more requests from a plurality of cores. Each of the one or more requests is to enter or to exit one of a plurality of power down modes. The first circuit further selects one or more of the cores to enter or to exit the requested power down mode or modes based on inrush current information associated with the power down modes. A second circuit is configured to effect entering or exiting the requested power down mode or modes in the selected one or more of the cores.

No. of Pages : 16 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013026 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND APPARATUS FOR A TRANSMIT PATH WITH FREQUENCY HOPPING PHASE LOCKED LOOP

(51) International classification :H04B1/7136
(31) Priority Document No :62/233180
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/048581
Filing Date :25/08/2016
(87) International Publication No :WO 2017/052956
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ZHUANG, Jingcheng
3)SAMPATH, Praveen
4)PATEL, Shrenik
5)DUNWORTH, Jeremy Darren
6)LEUNG, Lai Kan
7)SAHOTA, Gurkanwal Singh
8)PARK, Jong Min

(57) Abstract :
An apparatus comprising a transmit path a plurality of local oscillators and a control unit.The control unit may be configured to: receive an upcoming resource block (RB) allocation; determine whether the upcoming RB allocation is the same as the current RB allocation; in response to determining that the upcoming RB allocation is different than the current RB allocation: select an unused LO of the plurality of LOs; determine whether a number of allocated RBs associated with the upcoming RB allocation is greater than a threshold; and in response to determining that the number of allocated RBs associated with the upcoming RB allocation is not greater than the threshold tune the selected LO to a frequency corresponding to the upcoming RB allocation.

No. of Pages : 18 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013036 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WASHING MACHINE

(51) International classification :D06F25/00,D06F23/04,D06F23/06
(31) Priority Document No :2015-175841
(32) Priority Date :07/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/CN2016/098311
Filing Date :07/09/2016
(87) International Publication No :WO 2017/041713
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MAMIYA, Haruo
2)KAWAMURA, Tamotsu
3)NAKANISHI,Takashi
4)SATO, Hiroki
5)YOSHIDA, Kenji

(57) Abstract :
Provided is a washing machine which can realize the improvement of a washing performance in a structure where a washing tub is capable of rotating in a manner of being crossed with a vertical direction. The washing machine (1) comprises: a washing tub (3) provided with an inner tub (11) capable of rotating around an axis (J); a stirring member (45) capable of rotating to stir washings (Q) in the inner tub (11); a motor (46) capable of rotating the inner tub (11) and the stirring member (45); a rotating mechanism; and a microcomputer (48). The rotating mechanism can rotate the washing tub (3) in a manner of crossing the axis (J) with an up down direction (Z) thereby changing a rotating angle () of the washing tub (3). By controlling the motor (46) and the rotating mechanism the microcomputer (48) executes a washing operation for reversely rotating the stirring member (45) or rotating the inner tub (11) at a plurality of rotating angles ().

No. of Pages : 33 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013046 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COLOR FILTER SENSORS

(51) International classification	:H01L 27/146 (2006.01
(31) Priority Document No	:14/861,678
(32) Priority Date	:22/09/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/048190 :23/08/2016
(87) International Publication No	:WO2017/052898
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)GOMA, Sergiu Radu
2)ATANASSOV, Kalin Mitkov
3)SIDDIQUI, Hasib Ahmed
4)GEORGIEV, Todor Georgiev
5)HSEIH, Biay-Cheng

(57) Abstract :
COLOR FILTER SENSORS Innovations include a sensing device having a sensor array comprising a plurality of sensors, each sensor having a length dimension and a width dimension and configured to generate a signal responsive to radiation incident on the sensor, and a filter array comprising a plurality of filters, the filter array disposed to filter light before it is incident on the sensor array, the filter array arranged relative to the sensor array so each of the plurality of sensors receives radiation propagating through at least one corresponding filter. Each filter has a length dimension and a width dimension, and a ratio of the length dimension of a filter to the length dimension of a corresponding sensor, a ratio of the width dimension of a filter to the width dimension of a corresponding sensor, or both, is a non-integer greater than 1.

No. of Pages : 45 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013252 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CLOTHES DRYER

(51) International classification :D06F 58/28
(31) Priority Document No :2015-177362
(32) Priority Date :09/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/CN2016/098310
Filing Date :07/09/2016
(87) International Publication No :WO2017/041712
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KATSUKI, Jungo
2)HAYASHIDA, Taichi;
3)MORI, Taiki

(57) Abstract :
Disclosed is a clothes dryer (1). The clothes dryer can lower the temperature of clothes in the second half of the operation and can sufficiently reduce the damage to clothes caused by overheating, regardless of the type and number of the clothes. The clothes dryer (1) has a drum (20), an air supply and discharge unit (4) for supplying and discharging drying air to and from the drum (20), a burner (30) for heating the drying air, a temperature sensor (31) for sensing the temperature of the exhaust, and a heating control unit (55) for performing temperature regulating treatments so as to turn off the burner (30) when the exhaust temperature reaches an upper limit temperature and enable the burner (30) to operate again when the exhaust temperature is reduced to a re-ignition temperature. The heating control unit (55) has a time-delay inserting portion (56). The time-delay inserting portion (56) inserts a time delay during the period from a time point, at which the exhaust temperature is reduced to a lower limiting temperature, to a time point, at which the burner (30) is enabled to operate again. The time delay is gradually extended as temperature regulation is performed time and time again intermittently and repeatedly. Drawing of Abstract: Fig. 3

No. of Pages : 30 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013258 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SECURE BOOT DEVICES, SYSTEMS, AND METHODS

(51) International classification :G06F 21/57
(31) Priority Document No :14/866,636
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044371
Filing Date :28/07/2016
(87) International Publication No :WO/2017/052760
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KEIDAR, Ron
2)PIRVU, Eugen
3)SMITH, Jeff

(57) Abstract :
ABSTRACT A secure boot method includes: obtaining a certificate digest at a digest processor from a write-once, always-on memory; calculating a flash digest using the digest processor by cryptographically processing a sensitive information image; and comparing, using the digest processor, the flash digest with the certificate digest.

No. of Pages : 28 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018
(21) Application No.201847013269 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SELECTIVE BACKPROPAGATION

(51) International classification :G06N 3/08
(31) Priority Document No :62/234,559
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050539
Filing Date :07/09/2016
(87) International Publication No :WO/2017/058479
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TOWAL, Regan Blythe
2)JULIAN, David Jonathan

(57) Abstract :
(57) Abstract: The balance of training data between classes for a machine learning model is modified. Adjustments are made at the gradient stage where selective backpropagation is utilized lo modify a cost function to adjust or selectively apply the gradient based on the class example frequency in the data sets. The factor for modifying the gradient may be determined based on a ratio of the number of examples of the class with a fewest members to the number of examples of a present class. The gradient associated with the present class is modified based on the above determined factor.

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013270 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DELTA-SIGMA ANALOG-TO-DIGITAL CONVERTER (ADC) WITH TIME-INTERLEAVED (TI) OR TWO-STEP SUCCESSIVE APPROXIMATION REGISTER (SAR) QUANTIZER

(51) International classification :H03M 3/00
(31) Priority Document No :62/232,611
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/048394
Filing Date :24/08/2016
(87) International Publication No :WO 2017/052921
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)RAJAEE, Omid
2)HAN, Changsok
3)DAI, Liang
4)MIRHAJ, Seyed Arash
5)KIRAN, Ganesh

(57) Abstract :
Certain aspects of the present disclosure provide a delta-sigma modulator (DSM) using time-interleaved (TI) successive approximation register (SAR) analog-to-digital converters (ADCs). For example, two SAR ADCs may be configured to alternately sample and process an input signal and provide a feedback signal for the DSM using excess loop delay (ELD). In other aspects, the DSM may be implemented using a two-step SAR quantizer. For example, a first SAR ADC may sample an input signal to generate a most-significant bit (MSB) portion of an output of the DSM, while the second SAR ADC may subsequently sample a residue from the first SAR ADC conversion and generate a least-significant bit (LSB) portion of the output of the DSM. With these techniques, higher bandwidths may be obtained in high accuracy delta-sigma ADCs without using increased sampling rates.

No. of Pages : 50 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/08/2017

(21) Application No.201744030957 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WORKING VEHICLE

(51) International classification	:F02D45/00, F02D29/00, E02F9/22, E02F9/20
(31) Priority Document No	:2016-201062
(32) Priority Date	:12/10/2016
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)ITO, Shiro
2)TSUKAMOTO, Kiyohiro

(57) Abstract :
[Object] To provide a fuel tank configuration for reducing air entrainment, with the fuel supply pipe connected to the bottom of one of the fuel tanks provided on the right and left of the transmission case, etc. of the machine body. [Solution] A working vehicle comprising: a first fuel tank 80L provided on the right or left of the machine body; a second fuel tank 80R provided on the other side of the machine body; and a connecting pipe 87 for connecting the first fuel tank 80L and the second fuel tank 80R; wherein the first fuel tank 80L includes a first opening 88 for connecting the connecting pipe; and the second fuel tank 80R is provided in the rear of the first opening 88. [Representative Drawing] Fig. 11

No. of Pages : 40 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/09/2017

(21) Application No.201744031474 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VEHICLE LOADSPACE FLOOR

(51) International classification	:B60R 22/22
(31) Priority Document No	:1617313.0
(32) Priority Date	:12/10/2016
(33) Name of priority country	:U.K.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
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1)NEUGEBAUER, James
2)CRAVEN, Richard
3)MURRAY, James Nicholas
4)SOUTHEY, Bruce

(57) Abstract :
A vehicle loadspace floor (101) comprising a first deployable portion (103) and a second deployable portion (105), the first and second deployable portions (103, 105) cooperating to form a rearward-facing seat (107) extending through the opening of a trunk of the vehicle when deployed from the loadspace floor (101).

No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/11/2017

(21) Application No.201747038804 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MEDICINE

(51) International classification	:A61K45/00,A61K38/00,A61K39/00
(31) Priority Document No	:2015-078684
(32) Priority Date	:07/04/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/061463 :07/04/2016
(87) International Publication No	:WO 2016/163489
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)TAMADA, Koji

(57) Abstract :
The present invention provides a medicine comprising a Toll like receptor agonist and LAG 3 protein or a variant or derivative thereof.

No. of Pages : 46 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/01/2018

(21) Application No.201847000333 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AROMA-RETAINING SOLUBLE COFFEE •

(51) International classification :A23F 5/40
(31) Priority Document No :15173428.2
(32) Priority Date :23/06/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/NL2016/050445
Filing Date :23/06/2016
(87) International Publication No :WO/2016/209075
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)HEIJMAN, Gertjan
2)DE KOK, Petrus Maria Theresia
3)OOSTERVELD, Alexander

(57) Abstract :
Disclosed is a process for the production of aromatized soluble coffee particles. The process comprises the incubation of an aroma donor, such as a roasted coffee, with a acceptor, such as a refined coffee oil. The acceptor can be added prior or after incubation to the soluble coffee particles. The invention also pertains to a process for the preparation of an instant coffee product comprising aromatized soluble coffee particles. Thereby an odor- acceptable edible oil is subjected to aroma transfer from roast coffee beans, either before or after being applied on soluble coffee particles. The aroma transfer being conducted for an incubation time of at least one day, and the amount of the aromatized oil in the instant coffee is 0.8 wt.% to 4.5 wt.%.

No. of Pages : 36 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018
(21) Application No.201847013640 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A COMMISSIONING DEVICE FOR COMMISSIONING A NEW DEVICE INTO A SYSTEM AND A METHOD THEREOF

(51) International classification :F21V 8/00
(31) Priority Document No :15198025.7
(32) Priority Date :04/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/079457
Filing Date :01/12/2016
(87) International Publication No :WO2017/ 093416
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
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2)MAGIELSE, Remco

(57) Abstract :
A system (100) comprises a device (200) commissioned into the system comprising a light sensor (220) for receiving a first optical data signal from a new device (400) located within an optical range of the device (200), and a commissioning device (300) for communicatively coupling to the device (200). The first optical data signal comprises a unique identifier associated with the new device. The commissioning device (300) comprises a first credential memory (350) for storing system credentials, a commissioning wireless communication unit (320) for receiving from the device (200) the unique identifier, being configured, after receiving the unique identifier, for transmitting the stored system credentials for enabling reception of the system credentials by the new device (400), and for establishing a wireless communication link with the new device based on the unique identifier and the transmitted system credentials for commissioning the new device (400) into the system (100).

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/03/2018

(21) Application No.201847011673 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR DETERMINING THE REFLECTANCE OF AN OBJECT AND ASSOCIATED DEVICE

(51) International classification :G01N 21/55
(31) Priority Document No :15 59287
(32) Priority Date :30/09/2015
(33) Name of priority country :France
(86) International Application No :PCT/EP2016/073466
Filing Date :30/09/2016
(87) International Publication No :WO/2017/055580
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)VAUCLIN, Rmi
2)HENNEBELLE, Franck

(57) Abstract :
Method for determining the reflectance of an object and associated device The invention relates to a method for determining the reflectance of an object (4), the method comprising a step for solving an equation with several unknowns, the equation being obtained from formed images, the reflectance of the object (4) and the illumination of the outside illuminant (6) being two unknowns of the equation. The step for solving the equation comprises: calculating solution points of the equation, interpolating points calculated by an interpolation function, and using at least one of the following approximations to solve the equation: o a first approximation according to which each image is derived from the emission of a separate flash of light, o a second approximation according to which the interpolation function determines the stability points of the equation.

No. of Pages : 40 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/03/2018

(21) Application No.201847011951 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DITHER DIRECTED LUT OUTPUT VALUE INTERPOLATION

(51) International classification :G06T 5/00 (2006.01)
(31) Priority Document No :62/218,333
(32) Priority Date :14/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/045345
Filing Date :03/08/2016
(87) International Publication No :WO2017/048389
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DAI, Min
2)IKIZYAN, Ike
3)HUANG, Ai-Mei

(57) Abstract :
ABSTRACT DITHER DIRECTED LUT OUTPUT VALUE INTERPOLATION In an example, a method for image processing may include inputting a first pixel value corresponding to a first pixel of an image into a LUT. The LUT may map one or more LUT input values to one or more LUT output values. The first pixel value may correspond to a first LUT input value that maps to a first LUT output value in the LUT. The first pixel may include one or more pixel values. The method may include generating a noise value for the first LUT input value. The method may include generating a first interpolated LUT output value for the first LUT input value based on the noise value. The method may include transforming the image into a transformed image using the first interpolated LUT output value.

No. of Pages : 67 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/03/2018

(21) Application No.201847011952 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMPROVED COLOUR REMAPPING INFORMATION SUPPLEMENTAL ENHANCEMENT INFORMATION MESSAGE PROCESSING

(51) International classification	:H04N 19/70 (2014.01)
(31) Priority Document No	:62/216,254
(32) Priority Date	:09/09/2015
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2016/050941
Filing Date	:09/09/2016
(87) International Publication No	:WO2017/044740
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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5)BUGDAYCI SANSLI, Done
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(57) Abstract :
IMPROVED COLOUR REMAPPING INFORMATION SUPPLEMENTAL ENHANCEMENT INFORMATION MESSAGE PROCESSING In an example, a method of processing video may include receiving a bitstream including encoded video data and a colour remapping information (CRI) supplemental enhancement information (SEI) message. The CRI SEI message may include information corresponding to one or more colour remapping processes. The method may include decoding the encoded video data to generate decoded video data. The method may include applying a process that does not correspond to the CRI SEI message to the decoded video data before applying at least one of the one or more colour remapping processes to the decoded video data to produce processed decoded video data.

No. of Pages : 86 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/03/2018

(21) Application No.201847011953 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND APPARATUS FOR MULTIPLE USER UPLINK

(51) International classification :H04W 72/12 (2009.01)
(31) Priority Document No :62/249,893
(32) Priority Date :02/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/057936
Filing Date :20/10/2016
(87) International Publication No :WO2017/078939
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MERLIN, Simone
2)ASTERJADHI, Alfred
3)CHERIAN, George
4)TIAN, Bin
5)BHARADWAJ, Arjun
6)BARRIAC, Gwendolyn Denise
7)ZHOU, Yan

(57) Abstract :
METHODS AND APPARATUS FOR MULTIPLE USER UPLINK Methods and apparatus for multiple user uplink are provided. In one aspect, a method for wireless communication is provided. The method includes transmitting a clear to transmit (CTX) message to two or more stations, the CTX indicating an uplink transmission opportunity, the CTX message further comprising a request that the two or more stations concurrently transmit uplink data at a specific time. The method further includes receiving a plurality of uplink data from at least two stations at the specific time.

No. of Pages : 58 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011272 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND APPARATUS FOR TISSUE RECOGNITION

(51) International classification :G06T 7/00
(31) Priority Document No :1516869.3
(32) Priority Date :23/09/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/052974
Filing Date :23/09/2016
(87) International Publication No :WO/2017/051191
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)HAMILTON, Peter

(57) Abstract :
Method and Apparatus for Tissue Recognition Abstract A computer implemented image processing method is disclosed. The method comprises: obtaining microscope image data defining a microscope slide image of a haematoxylin and eosin stained tissue sample, wherein the microscope slide image data comprises a plurality of image pixels; obtaining descriptor data indicating a type of tissue from which the tissue sample originates; selecting, based on the descriptor data, an image operation configured to transform the image data; applying the selected image operation to the image data to identify a number of discrete spatial regions of the image; selecting, from a data store, a set of quantitative image metrics wherein the quantitative image metrics are selected based on the descriptor data, determining, for each discrete spatial region, a sample region data value for each of the set of quantitative image metrics based on the subset of image data associated with the or each discrete spatial region, using the descriptor data to select, from the data store, at least one comparator set of tissue model data values, wherein each comparator set is associated with a different corresponding comparator tissue structure and each comparator set comprises data values of the set of quantitative image metrics for the corresponding comparator tissue structure; comparing the sample region data value for each discrete region with the at least one comparator set; and in the event that the sample region data value for the or each discrete spatial region matches the comparator set providing a map of the image data indicating that the discrete spatial region comprises the matching comparator tissue structure. [Fig. 1]

No. of Pages : 53 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011308 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : HIGH STIFFNESS TURBOMACHINE IMPELLER, TURBOMACHINE INCLUDING SAID IMPELLER AND METHOD OF MANUFACTURING

(51) International classification :F04D 29/28
(31) Priority Document No :102015000051769
(32) Priority Date :15/09/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2016/071652
Filing Date :14/09/2016
(87) International Publication No :WO/2017/046135
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)IURISCI, Giuseppe
2)CORBO, Simone

(57) Abstract :
A turbomachine impeller (1) is disclosed, which comprises: a hub (3) having a rotation axis (A-A); a shroud (13); a plurality of blades (5; 5A, 5B) between the hub (3) and the shroud (13); and a plurality of flow vanes (11), each flow vane being defined between the hub (3), the shroud (13) and neighboring blades (5; 5A, 5B), each flow vane having a flow vane inlet and a flow vane outlet. Each flow vane (11) extends radially inwardly from the flow vane inlet towards a radially innermost flow vane section, and from the radially innermost flow vane section to a flow vane outlet.

No. of Pages : 38 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011429 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND APPARATUS FOR COMBINED EXHAUST AND COMPRESSION RELEASE ENGINE BRAKING

(51) International classification :F02D 13/04
(31) Priority Document No :62/213,002
(32) Priority Date :01/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/049819
Filing Date :01/09/2016
(87) International Publication No :WO/2017/040736
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ALEXANDRU, Matei

(57) Abstract :
A controller of an internal combustion engine receives a request for engine braking and, in response thereto, activates an exhaust braking subsystem. Additionally, after passage of a period of time, the controller further activates a compression release braking subsystem. The period of time is preferably selected to permit development of increased back pressure in an exhaust system of the internal combustion engine prior to activation of the compression release braking subsystem. Additionally, following activation of the exhaust braking subsystem, the controller may whether the exhaust braking subsystem has failed and, if so, cause the compression release braking subsystem to operate in a reduced braking power mode, for example at less than full braking power potentially down to and including no braking power. Figure: 2

No. of Pages : 24 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018

(21) Application No.201847012476 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR NON-OBSTACLE AREA DETECTION

(51) International classification :G06K 9/00
(31) Priority Document No :14/858,471
(32) Priority Date :18/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/045042
Filing Date :01/08/2016
(87) International Publication No :WO/2017/048383
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)DANE, Gokce
2)BHASKARAN, Vasudev

(57) Abstract :
A method performed by an electronic device is described. The method includes performing vertical processing of a depth map to determine a vertical non-obstacle estimation. The method also includes performing horizontal processing of the depth map to determine a horizontal non-obstacle estimation. The method further includes combining the vertical non-obstacle estimation and the horizontal non-obstacle estimation. The method additionally includes generating a non-obstacle map based on the combination of the vertical and horizontal non-obstacle estimations.

No. of Pages : 62 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018

(21) Application No.201847012477 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STORING BANDWIDTH-COMPRESSED GRAPHICS DATA

(51) International classification :G06T 1/2
(31) Priority Document No :14/857,303
(32) Priority Date :17/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044975
Filing Date :01/08/2016
(87) International Publication No :WO/2017/048381
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GRUBER, Andrew Evan
2)HILL, Rexford Alan
3)KHANDELWAL, Shambhoo

(57) Abstract :
BANDWIDTH-COMPRESSED GRAPHICS DATA A computing device may allocate a plurality of blocks in the memory, wherein each of the plurality of blocks is of a uniform fixed size in the memory. The computing device may further store a plurality of bandwidth-compressed graphics data into the respective plurality of blocks in the memory, wherein one or more of the plurality of bandwidth-compressed graphics data each has a size that is smaller than the fixed size. The computing device may further store data associated with the plurality of bandwidth-compressed graphics data into unused space of one or more of the plurality of blocks that contains the respective one or more of the plurality of bandwidth-compressed graphics data.

No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018

(21) Application No.201847012478 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : RESTRICTION OF ESCAPE PIXEL SIGNALED VALUES IN PALETTE MODE VIDEO CODING

(51) International classification :H04N 19/593
(31) Priority Document No :62/220,675
(32) Priority Date :18/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052186
Filing Date :16/09/2016
(87) International Publication No :WO/2017/049119
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)RAPAKA, Krishnakanth
4)KARCZEWICZ, Marta
5)HSIEH, Cheng-Teh

(57) Abstract :
An apparatus configured to decode video data that comprises a memory configured to store the video data; and one or more processors. The one or more processors are configured to: receive a bitstream that is constrained such that escape values used in a palette mode for decoding the video data are no greater than a maximum value, wherein the bitstream includes information for determining at least one escape value representing a sample in a block of the video data to be decoded; and reconstruct the sample in the block of the video data using the information for determining the at least one escape value.

No. of Pages : 77 No. of Claims : 88

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018

(21) Application No.201847012479 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COLLABORATIVE AUDIO PROCESSING

(51) International classification :H04R 3/00
(31) Priority Document No :14/859,128
(32) Priority Date :12/12/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044563
Filing Date :28/07/2016
(87) International Publication No :WO/2017/048376
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KIM, Lae-Hoon
2)VISSER, Erik
3)PERI, Raghuveer

(57) Abstract :
A method of generating audio output includes displaying a graphical user interface (GUI) at a user device. The GUI represents an area having multiple regions and multiple audio capture devices are located in the area. The method also includes receiving audio data from the multiple audio capture devices. The method further includes receiving an input indicating a selected region of the multiple regions. The method also includes generating, at the user device, audio output based on audio data from a subset of the multiple audio capture devices. Each audio capture device in the subset is located in the selected region.

No. of Pages : 55 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018

(21) Application No.201847012480 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COLLABORATIVE AUDIO PROCESSING

(51) International classification :G10L 21/0216
(31) Priority Document No :14/859,111
(32) Priority Date :18/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044558
Filing Date :28/07/2016
(87) International Publication No :WO/2017/048375
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)VISSER, Erik
3)PERI, Raghuveer

(57) Abstract :
A method of performing noise reduction includes capturing a first audio signal at a first microphone of a first device. The method also includes receiving, at the first device, audio data representative of a second audio signal from a second device. The second audio signal is captured by a second microphone of the second device. The method further includes performing noise reduction on the first audio signal based at least in part on the audio data representative of the second audio signal. REFER TO FIGURE 1

No. of Pages : 56 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012816 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LOW-COST SATELLITE USER TERMINAL ANTENNA

(51) International classification :H01Q 3/00
(31) Priority Document No :14/861,921
(32) Priority Date :22/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051869
Filing Date :15/09/2016
(87) International Publication No :WO 2017/053165
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TRAN, Allen Minh-Triet

(57) Abstract :
ABSTRACT A beam steering antenna is provided in a user terminal for satellite communications. The beam steering antenna includes an antenna feed structure having a plurality of feed elements configured to be switched on or off to form an initial beam, and a focus lens positioned adjacent to the antenna feed structure to form a focused beam. The antenna feed structure may include a plurality of active waveguide feed elements to generate a circularly polarized initial beam. The focus lens may be a spherical lens to form a circularly polarized focused beam.

No. of Pages : 45 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012817 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LOCATION AND LISTEN-BEFORE-SCHEDULE BASED RESOURCE ALLOCATION FOR VEHICLE-TO-VEHICLE COMMUNICATION

(51) International classification :H04W 72/02
(31) Priority Document No :62/222,666
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044294
Filing Date :12/12/2012
(87) International Publication No :WO 2017/052757
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)GUAN, Wei
3)JIANG, Libin
4)BAGHEL, Sudhir Kumar

(57) Abstract :
ABSTRACT Methods, apparatus, and computer-readable mediums for wireless communication are provided. One apparatus is configured to receive at least one SA from at least one UE. The apparatus is further configured to determine an energy associated with each at least one SA. The apparatus is also configured to rank data transmission time-frequency resources based on the determined energy associated with said each received at least one SA. Each at least one SA are associated with a different subset of the data transmission time-frequency resources. The apparatus is further configured to select a set of data transmission time-frequency resources based on the ranked data transmission time-frequency resources and to send a data transmission on the selected set of data transmission time-frequency resources. Another apparatus is configured to partitioning time-frequency resources into different resource groups, to divide UEs into UE groups based on location, and map the UE groups to the resource groups.

No. of Pages : 60 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012818 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROTECTION OF A SPEAKER FROM THERMAL DAMAGE

(51) International classification :H04R 3/00
(31) Priority Document No :14/858,306
(32) Priority Date :18/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/048015
Filing Date :22/08/2016
(87) International Publication No :WO 2017/048462
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TANG, Zhilong
2)LU, Jingxue

(57) Abstract :
ABSTRACT OF THE DISCLOSURE A method of protecting a speaker from thermal damage includes determining a first load current through a first resistor that is coupled to the speaker. The method also includes converting the first load current to a digital value using a second load current through a second resistor as a reference input. The second resistor is part of a circuit that reduces an effect of a temperature coefficient of resistance of the first resistor. The method also includes comparing the digital value of the first load current to a threshold value. The method further includes, responsive to the first load current being larger than the threshold value, generating an instruction to take an action to protect the speaker.

No. of Pages : 24 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018
(21) Application No.201847012819 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR BLOCKER MARGIN SIZING BY AN AUTOMATIC GAIN CONTROL

(51) International classification :H03G /3/20
(31) Priority Document No :14/944,578
(32) Priority Date :18/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/055512
Filing Date :05/10/2016
(87) International Publication No :WO 2017/087081
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LUONG, Le Nguyen

(57) Abstract :
ABSTRACT A method for dynamic sizing of a blocker margin by a receiver automatic gain control (AGC) is described. The method includes measuring a wanted signal level and a blocker signal level. The method also includes adjusting a linear target for the wanted signal level at the output of an analog-to-digital converter (ADC) of the receiver based on the blocker signal level. The linear target is adjusted to optimize a wanted signal signal-to-noise ratio (SNR) and the blocker margin. The method further includes adjusting a receiver front-end gain based on the adjusted linear target.

No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012822 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROACTIVE RESOURCE MANAGEMENT FOR PARALLEL WORK-STEALING PROCESSING SYSTEMS

(51) International classification :G06F 9/50
(31) Priority Document No :14/862,373
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/048989
Filing Date :26/08/2016
(87) International Publication No :WO/2017/053004
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SUAREZ GRACIA, Dario
3)KUMAR, Tushar

(57) Abstract :
Various embodiments proactively balance workloads between a plurality of processing units of a multi-processor computing device by making work-stealing determinations based on operating state data. An embodiment method includes obtaining static characteristics data associated with each of a victim processor and one or more of a plurality of processing units that are ready to steal work items from the victim processor (work-ready processors), obtaining dynamic characteristics data for each of the processors, calculating priority values for each of the processors based on the obtained data, and transferring a number of work items assigned to the victim processor to a winning work-ready processor based on the calculated priority values. In some embodiments, the method may include acquiring control over a probabilistic lock for a shared data structure and updating the shared data structure to indicate the number of work items transferred to the winning work-ready processor

No. of Pages : 64 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013047 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ESTABLISHING A VOICE CALL

(51) International classification	:H04W 48/18 (2009.01
(31) Priority Document No	:14/874,938
(32) Priority Date	:05/10/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/CA2016/051155 :04/10/2016
(87) International Publication No	:WO2017/059532
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Hamid Mahmood

(57) Abstract :
A user equipment (UE), which is able to use a plurality of different wireless access technologies, receives a request to establish a voice call. In response to the request, the UE determines whether voice over a first wireless access technology of the different wireless access technologies is supported, and responsive to determining that voice over the first wireless access technology is not supported, the UE attempts to establish the voice call over a second wireless access technology of the different wireless access technologies.

No. of Pages : 20 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013048 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FIXED POINT IMPLEMENTATION OF RANGE ADJUSTMENT OF COMPONENTS IN VIDEO CODING

(51) International classification :H04N 21/43
(31) Priority Document No :62/221,586
(32) Priority Date :21/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052633
Filing Date :20/09/2016
(87) International Publication No :WO2017/053277
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RUSANOVSKYY, Dmytro
3)SOLE ROJALS, Joel
4)LEE, Sungwon
5)BUGDAYCI SANSLI, Done
6)KARCZEWICZ, Marta

(57) Abstract :
ABSTRACT FIXED POINT IMPLEMENTATION OF RANGE ADJUSTMENT OF COMPONENTS IN VIDEO CODING
Processing high dynamic range and or wide color gamut video data using a fixed-point implementation. A method of processing video data may include receiving one or more supplemental enhancement information (SEI) messages that contain information specifying how to determine parameters for performing an inverse dynamic range adjustment process, receiving decoded video data, and performing the inverse dynamic range adjustment process on the decoded video data using fixed-point computing in accordance with the information in the one or more SEI messages.

No. of Pages : 121 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018
(21) Application No.201847013049 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VIDEO DECODER CONFORMANCE FOR HIGH DYNAMIC RANGE (HDR) VIDEO CODING USING A CORE VIDEO STANDARD

(51) International classification :H04N 19/70
(31) Priority Document No :62/222,147
(32) Priority Date :22/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/053143
Filing Date :22/09/2016
(87) International Publication No :WO/2017/053585
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)RAMASUBRAMONIAN, Adarsh Krishnan
3)RUSANOVSKYY, Dmytro
4)LEE, Sungwon
5)WANG, Ye-Kui

(57) Abstract :
ABSTRACT VIDEO DECODER CONFORMANCE FOR HIGH DYNAMIC RANGE (HDR) VIDEO CODING USING A CORE VIDEO STANDARD In one example, a device for processing decoded video data a video decoder implemented by one or more hardware-based processing units comprising digital logic circuitry, and a postprocessing unit implemented by one or more hardware-based processing units comprising digital logic circuitry. The video decoder is configured to decode video data of a video bitsream according to a video coding standard, extract HDR postprocessing data from an SEI message of the video bitstream, and provide the decoded video data and the HDR postprocessing data to the postprocessing unit. The postprocessing unit is configured to process the decoded video data using the HDR postprocessing data according to the video coding standard. The device may additionally determine whether the video decoder is compliant with the video coding standard by comparing the processed video data with reference processed video data.

No. of Pages : 50 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018
(21) Application No.201847013050 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DYNAMICALLY SWITCHING BETWEEN LATE DEPTH TESTING AND CONSERVATIVE DEPTH TESTING

(51) International classification :G06T 15/00
(31) Priority Document No :14/862,532
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044060
Filing Date :26/07/2016
(87) International Publication No :WO2017/052750
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)TANG, Xuefeng
4)LIANG, Jian
5)WANG, Tao
6)GRUBER, Andrew Evan
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(57) Abstract :
ABSTRACT DYNAMICALLY SWITCHING BETWEEN LATE DEPTH TESTING AND CONSERVATIVE DEPTH TESTING A graphics processing unit (GPU) may determine a workload of a fragment shader program that executes on the GPU. The GPU may compare the workload of the fragment shader program to a threshold. In response to determining that the workload of the fragment shader program is lower than a specified threshold, the fragment shader program may process one or more fragments without the GPU performing early depth testing of the one or more fragments before the processing by the fragment shader program. The GPU may perform, after processing by the fragment shader program, late depth testing of the one or more fragments to result in one or more non-occluded fragments. The GPU may write pixel values for the one or more non-occluded fragments into a frame buffer.

No. of Pages : 45 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013641 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ASSEMBLY AND LIGHTING DEVICE COMPRISING THE ASSEMBLY

(51) International classification :H05K 1/02
(31) Priority Document No :15198322.8
(32) Priority Date :08/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/079037
Filing Date :28/11/2016
(87) International Publication No :WO2017/ 097627
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)EGGINK, Hendrik, Jan

(57) Abstract :
An assembly (1) is disclosed, comprising at least one electrical device (5) and at least one carrier substrate (2) arranged to support the at least one electrical device (5). The at least one carrier substrate (2) is arranged with at least one tubular structure (6), which is at least in part hollow and arranged so as to permit passage of fluid through the at least one carrier substrate (2), for example between a first side (3) of the carrier substrate (2) and a second side (4) of the carrier substrate (2), and wherein the at least one tubular structure (6) is arranged such that it has an extension so that it protrudes a predefined distance from at least one of the first side (3) and the second side (4). A lighting device comprising the assembly (1) and a method (30) for manufacturing the assembly (1) are also disclosed.

No. of Pages : 36 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013642 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DERIVING A WHITE-POINT FOR USE IN A MULTI-COLOR LIGHT SCENE

(51) International classification :G03H 1/24
(31) Priority Document No :15199434.0
(32) Priority Date :15/12/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/079441
Filing Date :01/12/2016
(87) International Publication No :WO2017/ 097660
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)OSTOJIC, Aleksandar
2)DRIESEN, Bas
3)MEERBEEK, Berent, Willem
4)VAN DE SLUIS, Bartel, Marinus

(57) Abstract :
ABSTRACT DERIVING A WHITE-POINT FOR USE IN A MULTI-COLOR LIGHT SCENE When a light scene comprises multiple colors of light, not all white light is suitable for matching the scene. A method is provided such that a white point is determined for each color in a set of colors, to create a set of white points. A single white point is then determined based on the set of white points. This allows, for example, a user to select a light scene (e.g. a romantic scene featuring red colors) for a living room, such that lighting devices contributing to the scene emit colored light. A functional lighting device (e.g. reading light) can then emit white light, determined according to the method, to provide more functional light (e.g. light suitable for reading) that matches the scene (e.g. warm white instead of cold white). Fig. 2

No. of Pages : 17 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013644 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ORAL CARE IMPLEMENT WITH AUDIO CHANNEL

(51) International classification :A46B 15/00,
(31) Priority Document No :14/920,818
(32) Priority Date :22/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/057626
Filing Date :19/10/2016
(87) International Publication No :WO/2017/070163
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LIEBERWIRTH, Lars Ralf Rainer

(57) Abstract :
ORAL CARE IMPLEMENT WITH AUDIO CHANNEL ABSTRACT In some embodiments, an oral care implement includes an elongate body extending from a proximal end to a distal end, a head disposed at the distal end of the elongate body, a plurality of bristles disposed at the head, a speaker, a sound chamber, and a water impermeable membrane. The speaker is disposed in the elongate body to emit sound corresponding to audio received from an audio source. Speakers disposed in a distance spaced from the proximal end of the elongate body and is configured to emit sound toward the proximal end of the elongate body. The sound chamber includes an elongate internal space extending from the first opening proximate the speaker the second proximate the proximal end of the elongate body. Sound emitted from the speaker passes through the sound chamber. The water impermeable membrane occludes the sound chamber between the speaker and the proximal end.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013663 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : OPPORTUNISTIC EXTENDED CHANNEL UPLINK GRANTS

(51) International classification :H04L 5/00 (2006.01)
(31) Priority Document No :62/235,350
(32) Priority Date :30/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050216
Filing Date :02/09/2016
(87) International Publication No :WO/2017/058466
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LUO,Tao
3)YOO, Taesang
4)MALLIK, Siddhartha

(57) Abstract :
Methods, systems, and devices for wireless communication are described. A wireless communication system may utilize a listen before talk (LBT) procedure prior to transmission. A base station may perform an enhanced clear channel assessment (eCCA) on one channel and a single clear channel assessment (CCA) on another channel. The base station may then send a grant for a user equipment (UE) to transmit on both channels. The UE may receive the grant, and perform a single CCA on the first channel and an eCCA on the second channel. The UE may then transmit uplink information on both the first channel and the second channel. That is, the base station may send an opportunistic grant for transmitting on the second channel even though it may not have passed eCCA at the base station. The UE may then use the channel if it passes an eCCA.

No. of Pages : 55 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013273 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FREQUENCY TRACKING WITH SPARSE PILOTS

(51) International classification :H04L 27/00
(31) Priority Document No :14/864,831
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051547
Filing Date :13/09/2016
(87) International Publication No :WO/2017/053133
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)BLACK, Peter John
3)MA, Jun

(57) Abstract :
A method and apparatus for estimating a frequency offset of received signals. The receiving device receives a plurality of pilot signals form a transmitting device, and determines an un-aliased frequency offset estimate based on the received pilot signals. The receiving device further determines a low-noise frequency offset estimate based on the received pilot signals, wherein the low-noise frequency offset estimate is blow a threshold noise level. The receiving device then generates a hybrid frequency offset estimate based at least in part on the un-aliased and low-noise frequency offset estimates, wherein the hybrid frequency offset estimate is un-aliased and has a lower estimation noise than the un-aliased frequency offset estimate.

No. of Pages : 47 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013297 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MODIFYING NATURAL FEATHERS FOR USE IN SPORTING GOODS

(51) International classification :A63B 67/187
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2016/050849
Filing Date :09/09/2016
(87) International Publication No :WO 2017/044671
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)HARISH SRINIVAS

(57) Abstract :
Abstract: Methods, apparatus and kits for modifying natural feathers that are used in sporting goods that result in long lasting feathers with increased mechanical stability, reliability and durability as well as improved flight consistency is disclosed. Some of the sporting goods that use natural feathers are badminton shuttlecocks, arrow fletchings, and darts. The disclosed methods consist of controlled treatment of feather shuttlecocks with crosslinking agents to crosslink the keratin protein present on the natural feathers of the shuttlecock.

No. of Pages : 50 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/04/2018
(21) Application No.201847013338 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : RAPID DEPLOYMENT SYSTEM AND METHOD SUITABLE FOR TIME SYNCHRONIZATION NETWORK

(51) International classification	:A61B5/00; G05B23/02
(31) Priority Document No	:201610007814.7
(32) Priority Date	:07/01/2016
(33) Name of priority country	:China
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)CHEN, ZHAOHUI

(57) Abstract :
Disclosed are a rapid deployment system and method suitable for a time synchronization network, relating to the field of optical communication networks. The system comprises a servo synchronization initialization unit, a servo synchronization port detection unit, a servo synchronization unit and a servo synchronization management unit. When a node is electrified, hardware and a chip related to time synchronization are initialized and configured, the servo synchronization port detection unit, the servo synchronization unit and the servo synchronization management unit are started simultaneously, and the three units run periodically. The servo synchronization port detection unit detects the working and connection state of a line interface and updates a synchronization interface list. The servo synchronization unit receives and sends source time information and executes a servo mode or a synchronization mode according to the detected and received source time information. According to the present invention, the rapid deployment of a time synchronization network in engineering can be realized, the configuration workload can be remarkably reduced, and a fault caused by a configuration error is completely eradicated.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013405 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SUBSTITUTED METHYLENEDIOXYBENZYL COMPOUNDS AND THEIR USE AS SYNERGISTS

(51) International classification	:A01N25/22,A01N53/00,A01N47/40
(31) Priority Document No	:15184405.7
(32) Priority Date	:09/09/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/071017 :07/09/2016
(87) International Publication No	:WO 2017/042184
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)TOZZI, Francesco
4)MOORES, Graham David
5)SZIL • GYI, J¡nos
6)TAK • CS, L¡szl³ Barnab¡s
7)SCHMIDT, J³zsef
8)JOHNSTON, Mark

(57) Abstract :
The present invention relates to a pesticide composition comprising at least one pesticidal active ingredient and at least one methylendioxyphenyl derivative compound of Formula (I) wherein R1 is a linear (C4 C6)alkyl.

No. of Pages : 27 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013406 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SUBSTITUTED 2, 3 -DIHYDROBENZOFURAN COMPOUNDS AND THEIR USE AS SYNERGISTS

(51) International classification :A01N25/22,A01N43/08
(31) Priority Document No :15184406.5
(32) Priority Date :09/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/071018
Filing Date :07/09/2016
(87) International Publication No :WO 2017/042185
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)SZIL • GYI, J¡nos
7)TAK • CS, L¡szl³ Barnab¡s
8)SCHMIDT, J³zsef
9)JOHNSTON, Mark

(57) Abstract :
The invention relates to a compound of Formula (I) wherein n is 0 or 1 R1 is H or CH3 and R2 is a linear (C3 C6)alkyl and an insecticide composition comprising at least one insecticide active ingredient and at least one a compound of Formula (I).

No. of Pages : 32 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013664 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SAW FILTER HAVING SUPPRESSED SHEAR MODE

(51) International classification :G01Q 60/52
(31) Priority Document No :10 2015 116 223.7
(32) Priority Date :25/09/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/072284
Filing Date :20/09/2016
(87) International Publication No :WO 2017/050750
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KUBAT, Franz

(57) Abstract :
Abstract: The aim according to the invention is to suppress a disturbing SH mode in a ladder-type filter. This aim is achieved in that the resonance frequency of the series resonator responsible therefor is moved and, at the same time, the pole zero distance of the series resonator is reduced by parallel connection with a capacitor. The antiresonance of the series resonator and therefore also the passband thus remain unchanged.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018
(21) Application No.201847013665 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NEGATIVE PHOTOSENSITIVE RESIN COMPOSITION, CURED FILM, ELEMENT AND DISPLAY DEVICE EACH PROVIDED WITH CURED FILM, AND METHOD FOR MANUFACTURING DISPLAY DEVICE

(51) International classification	:C08G18/62; C08G18/80;
(31) Priority Document No	:2015-193002
(32) Priority Date	:30/09/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/078282 :12/12/2012
(87) International Publication No	:WO 2017/057281 A1
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)MTYOSHI, Kazato

(57) Abstract :
Abstract NEGATIVE-TYPE PHOTOSENSITIVE RESIN COMPOSITION, CURED FILM, ELEMENT AND DISPLAY APPARATUS THAT INCLUDE CURED FILM, PRODUCTION METHOD FOR THE SAME To provide an alkaline developable negative-type photosensitive resin composition from which a cured film that has a high-resolution and low-taper pattern shape and that are excellent in heat resistance and light blocking property can be obtained. A negative-type photosensitive resin composition is characterized by containing an (A1) first resin, a (A2) second resin, a (C) photopolymerization initiator, and a (D) coloring agent, wherein the (A1) first resin is an (A1-1) polyimide and/or an (A1-2) polybenzo-oxazole, and wherein the (A2) second resin is one or more species selected from a (A2-1) polyimide precursor, a (A2-2) polybenzo-oxazole precursor, a (A2-3) polysiloxane, a (A2-4) cardo based resin, and an (A2-5) acrylic resin, and wherein a content ratio of the (A1) first resin in a total of 100 mass% of the (A1) first resin and the (A2) second resin is within the range of 25 to 90 mass%. [Figure 5]

No. of Pages : 343 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018
(21) Application No.201847013666 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROCESS FOR PRODUCING RUBBER COMPOSITION

(51) International classification :D21C 3/00
(31) Priority Document No :199659/2015
(32) Priority Date :07/10/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/079963
Filing Date :07/10/2016
(87) International Publication No :WO 2017/061605 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)NAKATANI,Takeshi

(57) Abstract :
ABSTRACT An object of the present invention is to provide a process for preparing a rubber composition containing cellulose nanofibers having improved tensile strength at a relatively high solids content by enhancing the dispersibility of the cellulose nanofibers. This object is attained by a process for preparing a rubber composition containing cellulose nanofibers, comprising the step of mixing a dry solid containing cellulose nanofibers with an aqueous dispersion containing a rubber component.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013683 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AIR VOLUME REGULATION DEVICE AND METHOD AND A CABINET AIR CONDITIONER

(51) International classification :F24F 1/00
(31) Priority Document No :201510578301.7
(32) Priority Date :11/09/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/098407
Filing Date :08/09/2016
(87) International Publication No :WO/2017/041726
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)WU, Yanliang
3)WU, Shuming

(57) Abstract :
AIR VOLUME REGULATION DEVICE AND METHOD AND A CABINET AIR CONDITIONER Abstract An air volume regulation device and method and a cabinet air conditioner are provided. The air volume regulation device includes: a fan system (la) in the cabinet air conditioner, an upper air outlet (lb) at an upper part of the cabinet air conditioner, a lower air outlet (lc) at a lower part of the cabinet air conditioner and a control system used for controlling fans (2a, 2b, 2c), wherein the fan system (1a) includes a plurality of motors (2a, 2b, 2c) driven by motors (2d, 2e, 2f) respectively, a port of each of the fans (2a, 2b, 2c) is communicated with a main air passage formed by at least a part of an air conditioner housing (3c), and the control system controls each of the motors (2d, 2e, 2f) of the plurality of motors (2a, 2b, 2c) to execute at least one operation of starting, stopping and power regulation, thereby regulating an outlet air volume. The air volume regulation method includes that multiple groups of independently controlled motors (2d, 2e, 2f) and an air door capable of opening and closing the lower air outlet are controlled according to an environmental temperature. The cabinet air conditioner includes the air volume regulation device. The air volume regulation device and method implement integrated air volume control, improve comfort and energy efficiency and achieve energy saving. Fig. 5

No. of Pages : 21 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013051 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND SYSTEMS OF IMPROVED VIDEO STREAM SWITCHING AND RANDOM ACCESS

(51) International classification	:H04N 19/31 (2014.01)
(31) Priority Document No	:62/233,223
(32) Priority Date	:25/09/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/052764 :21/09/2016
(87) International Publication No	:WO2017/053351
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)HENDRY, Fnu
2)WANG, Ye - Kui

(57) Abstract :
ABSTRACT METHODS AND SYSTEMS OF IMPROVED VIDEO STREAM SWITCHING AND RANDOM ACCESS Systems, methods, and computer readable media are described for providing improved video coding, including improved video stream switching and random access. In some examples, systems, methods, and computer readable media include obtaining video data at an encoder and determining, from the video data, an intra random access point (IRAP) picture. A first set of one or more leading pictures associated with the IRAP picture are coded as random access decodable leading (RADL) pictures based on the first set of one or more leading pictures having a temporal identifier (TemporalId) that is less than or equal to a TemporalId threshold value. A second set of one or more leading pictures associated with the IRAP picture are coded as random access skipped leading (RASL) pictures based on the second set of one or more leading pictures having a TemporalId that is greater than the TemporalId threshold value. The video bitstream can then be generated to include the IRAP picture, the first set of one or more leading pictures, and the second set of one or more leading pictures.

No. of Pages : 86 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013052 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TESTING OF DISPLAY SUBSYSTEMS

(51) International classification :G09G 3/00 (2006.01)
(31) Priority Document No :14/864,348
(32) Priority Date :24/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/049465
Filing Date :30/08/2016
(87) International Publication No :WO2017/053029
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)GULATI, Rahul
2)WONG, John Chi Kit
3)BHUYAN, Pranjal
4)GUPTA, Sanjay
5)SHAH, Hemang Jayant

(57) Abstract :
ABSTRACT TESTING OF DISPLAY SUBSYSTEMS A display processor of a display system may receive an image that includes a test pattern. An input checksum may be associated with the test pattern. Hardware units of the display processor may process the image. The display system may generate an output checksum based at least in part on the test pattern after processing of the image. The display system may detect a fault in the hardware units of the display processor based on determining a difference between the input checksum and the output checksum.

No. of Pages : 39 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013053 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MASK-LESS PHASE DETECTION AUTOFOCUS

(51) International classification :H04N 9/04 (2006.01)
(31) Priority Document No :14/864,153
(32) Priority Date :24/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/048156
Filing Date :23/08/2016
(87) International Publication No :WO2017/052893
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT MASK-LESS PHASE DETECTION AUTOFOCUS An example image capture device includes an image sensor having diodes for sensing light from a target scene, a color filter array disposed above the diodes and including color filters each positioned over one of the diodes, single-diode microlenses positioned above some color filters arranged in a Bayer pattern, and multi-diode microlenses each positioned above at least two adjacent color filters that pass the same wavelengths of light to corresponding adjacent diodes below the color filters, each multi-diode microlens formed such that light incident in a first direction is collected one of the adjacent diodes and light incident in a second direction is collected in another of adjacent diodes. An image signal processor of the image capture device can perform phase detection autofocus using signals received from the adjacent diodes and can interpolate color values for the adjacent diodes.

No. of Pages : 44 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018
(21) Application No.201847013054 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ADAPTIVE NOISE SUPPRESSION FOR SUPER WIDEBAND MUSIC

(51) International classification :G10L 25/81 (2013.01)
(31) Priority Document No :14/865,885
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044291
Filing Date :27/07/2016
(87) International Publication No :WO2017/052756
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DEWASURENDRA, Duminda Ashoka
2)RAJENDRAN, Vivek
3)SUBASINGHA, Subasingha Shaminda

(57) Abstract :
ABSTRACT ADAPTIVE NOISE SUPPRESSION FOR SUPER WIDEBAND MUSIC Techniques are described for performing adaptive noise suppression to improve handling of both speech signals and music signals at least up to super wideband (SWB) bandwidths. The techniques include identifying a context or environment in which audio data is captured, and adaptively changing a level of noise suppression applied to the audio data prior to bandwidth compressing (e.g., encoding) based on the context. For a valid speech context, an audio pre-processor may set a first level of noise suppression that is relatively aggressive in order to suppress noise (including music) in the speech signals. For a valid music context, the audio pre-processor may set a second level of noise suppression that is less aggressive in order to leave the music signals undistorted. In this way, a vocoder at a transmitter side wireless communication device may properly encode both speech and music signals with minimal distortions.

No. of Pages : 42 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012823 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : RELIABLE CHANNEL ASSISTED HYBRID-ARQ

(51) International classification :H04L 1/18
(31) Priority Document No :14/861,604
(32) Priority Date :22/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/045802
Filing Date :05/08/2016
(87) International Publication No :WO/2017/052803
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KUDEKAR, Shrinivas
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3)WU, Xinzhou
4)LI, Junyi

(57) Abstract :
Methods, systems, and devices are described for wireless communication. A transmitter may receive feedback that a station failed to decode a packet sent over a first channel, and the transmitter may determine to re-send the packet or to send parity bits over the first channel or over a second channel to assist in decoding the failed packet. The first channel may be in an unlicensed radio frequency spectrum, and the second channel may be in a licensed radio frequency spectrum and may have a higher reliability level compared to the first channel. The transmitter may determine a first channel degradation level, which may be based on a signal-to-noise ratio received from the station, and may determine an amount of parity bits to send based on the degradation. The transmitter may determine the reliability level of each channel, which may be based on a channel quality indicator.

No. of Pages : 56 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018
(21) Application No.201847012824 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SELF-ERROR INJECTION TECHNIQUE FOR POINT-TO-POINT INTERCONNECT TO INCREASE TEST COVERAGE

(51) International classification :H04L 1/24
(31) Priority Document No :62/222,726
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051092
Filing Date :09/09/2016
(87) International Publication No :WO/2017/053093
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CHENG, Scott
2)KHAN, Raheel
3)BANGA, Kanwal

(57) Abstract :
Various aspects describe an on-chip, hardware error-generator component. In some cases, the hardware error-generator component connects to a data path between two components contained within a same chip. Upon receiving an error simulation input, the hardware error-generator component modifies data being transmitted on the data path by inserting a data pattern that simulates an error condition. Alternately or additionally, the hardware error-generator randomly alters one or more of the transmitted data bits

No. of Pages : 44 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012825 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR CHARGING A BATTERY

(51) International classification :H02J 7/02
(31) Priority Document No :14/856,947
(32) Priority Date :17/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/049130
Filing Date :26/08/2016
(87) International Publication No :WO/2017/048488
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SPORCK, Christian
2)ARIKATLA, Varaprasad
3)HAWAWINI, Shadi
4)HAWLEY, Steve
5)O'BRIEN, Thomas
6)KUMAR, Seema
7)MELGAR, Aaron

(57) Abstract :
SYSTEMS AND METHODS FOR CHARGING A BATTERY ABSTRACT The present disclosure includes a method of charging a battery. In one embodiment, the method comprises receiving, in a battery charging circuit on an electronic device, an input voltage having a first voltage value from an external power source. The battery charger is configured to produce a charge current having a first current value into the battery. The input current limit and/or duty cycle of the charger is monitored. Control signals may be generated to increase the first voltage value of the input voltage if either (i) the input current limit is activated or (ii) the duty cycle reaches a maximum duty cycle. The charger also receives signals indicating a temperature inside the electronic device and generates control signals to decrease the value of the input voltage when the temperature increases above a threshold temperature.

No. of Pages : 39 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012826 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CONFIGURABLE AND SCALABLE BUS INTERCONNECT FOR MULTI-CORE, MULTI-THREADED WIRELESS BASEBAND MODEM ARCHITECTURE

(51) International classification :H04L 12/933
(31) Priority Document No :62/222,725
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051085
Filing Date :09/09/2016
(87) International Publication No :WO/2017/053091
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KHAN, Raheel
3)BANTVAL,Vijay
4)BAHN, JunHo

(57) Abstract :
Not Submitted

No. of Pages : 43 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012827 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS OF REMOTE SUBSCRIBER IDENTITY MODULE (SIM) AUTHENTICATION

(51) International classification :H04W 12/06
(31) Priority Document No :62/253,889
(32) Priority Date :11/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/061041
Filing Date :09/11/2016
(87) International Publication No :WO/2017/083324
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LOMAX, Anthony
3)BEALES, Damon Mark

(57) Abstract :
Abstract Not Submitted

No. of Pages : 52 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018
(21) Application No.201847012856 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : APPARATUS AND METHOD FOR VIDEO MOTION COMPENSATION

(51) International classification :H04N 19/50 (2014.01)
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/RU2015/000610
Filing Date :25/11/2015
(87) International Publication No :WO2017/052405
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SYCHEV, Maxim Borisovitch
3)STEPIN, Victor Alexeevich

(57) Abstract :
APPARATUS AND METHOD FOR VIDEO MOTION COMPENSATION The present invention relates to a video coder for predictive coding a video stream of subsequent frames according to motion compensation into an encoded video bit stream, comprising a frame buffer (207) configured to store at least one reference frame of the video stream, an inter prediction unit (210) configured to generate a prediction block of a current block of the current frame from a reference block of the reference frame. Said prediction block is generated by means of a motion vector having a fractional-pel resolution, said fractional-pel resolution defining for each integer position of a motion vector a plurality of associated fractional positions. The video coder further comprises a sharpening filter (211) configured to filter the prediction block, and a control unit (212) configured to control the sharpening filter (211) depending on the integer or fractional position of the motion vector used for generating the prediction block.

No. of Pages : 51 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :02/04/2018
(21) Application No.201847012481 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SUPPLEMENTAL ENHANCEMENT INFORMATION (SEI) MESSAGES FOR HIGH DYNAMIC RANGE AND WIDE COLOR GAMUT VIDEO CODING

(51) International classification :H04N 19/36
(31) Priority Document No :62/221,586
(32) Priority Date :21/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052640
Filing Date :20/09/2016
(87) International Publication No :WO/2017/053280
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)SOLE ROJALS, Joel
4)LEE, Sungwon
5)BUGDAYCI SANSLI, Done
6)KARCZEWICZ, Marta

(57) Abstract :
This disclosure relates to processing video data, including processing video data that is represented by an HDR/WCG color representation. In accordance with one or more aspects of the present disclosure, one or more Supplemental Enhancement Information (SEI) Messages may be used to signal syntax elements and or other information that allow a video decoder or video postprocessing device to reverse the dynamic range adjustment (DRA) techniques of this disclosure to reconstruct the original or native color representation of the video data. Dynamic range adjustment (DRA) parameters may be applied to video data in accordance with one or more aspects of this disclosure in order to make better use of an HDR/WCG color representation, and may include the use of global offset values, as well as local scale and offset values for partitions of color component values. REFER TO FIGURE 9B

No. of Pages : 132 No. of Claims : 73

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012549 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ROLLER LOCKS

(51) International classification :E05C 19/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2016/012654
Filing Date :08/01/2016
(87) International Publication No :WO/2017/119899
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ERIK ROBY

(57) Abstract :
In an example, a roller lock may include a lock to engage with a roller of a feed system, and a leadscrew to engage with the lock. The lock may include a coupling to operably engage with a complementary coupling of the roller. The leadscrew may include an advancer to engage with the lock such that the advancer may translate the lock along a longitudinal axis of the roller so that the lock may engage and disengage with the roller to intermittently prevent the roller from rotating in a forward direction. [Fig. 1A]

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012590 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COATED RICE SEED AND METHOD FOR PRODUCING SAME

(51) International classification :A01C 1/06
(31) Priority Document No :2015-175477
(32) Priority Date :07/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/075281
Filing Date :30/08/2016
(87) International Publication No :WO 2017/043364 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)KOSUGE, Satoshi

(57) Abstract :
ABSTRACT COATED RICE SEED AND METHOD FOR PRODUCING SAME A coated rice seed formed having a coating layer, wherein the coating layer includes zinc oxide and an alpha starch having a degree of swelling of 10-48 mL/g in a 2% aqueous suspension at 20°C.

No. of Pages : 78 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012591 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : 3' UTR SEQUENCES FOR STABILIZATION OF RNA

(51) International classification :C12N15/67
(31) Priority Document No :PCT/EP2015/073180
(32) Priority Date :07/10/2015
(33) Name of priority country :PCT
(86) International Application No :PCT/EP2016/073814
Filing Date :05/10/2016
(87) International Publication No :WO 2017/060314 A3
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ORLANDINI VON NIESSEN, Alexandra
2)FESSER, Stephanie
3)VALLAZZA, Britta
4)BEISSERT, Tim
5)SAHIN, Ugur
6)POLEGANOV, Marco Alexander
7)KUHN, Andreas

(57) Abstract :
ABSTRACT 3 UTR SEQUENCES FOR STABILIZATION OF RNA The present invention relates to stabilization of RNA, in particular mRNA, and an increase in mRNA translation. The present invention particularly relates to a modification of RNA, in particular in vitro-transcribed RNA, resulting in increased transcript stability and/or translation efficiency. According to the invention, it was demonstrated that certain sequences in the 3-untranslated region (UTR) of an RNA molecule improve stability and translation efficiency.

No. of Pages : 227 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012592 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INTEGRATION OF CONTENT IN NON-BROWSER APPLICATIONS

(51) International classification :G06F 3/048
(31) Priority Document No :14/877,262
(32) Priority Date :07/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/053737
Filing Date :26/09/2016
(87) International Publication No :WO/2017/062203
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)OZUYSAL, Yusuf

(57) Abstract :
INTEGRATION OF CONTENT IN NON-BROWSER APPLICATIONS Abstract: In a general aspect, a computer-implemented method can include executing, on a computing device, a non-browser application; displaying, by the non-browser application on a display of the computing device, a link to web content; and receiving an indication that the link has been selected. In response to the indication that the link has been selected, the method can include, allocating a tab of a browser application to the non-browser application; displaying the allocated browser tab within a user interface of the non-browser application; and displaying, by the allocated browser tab, the web content within the user interface.

No. of Pages : 49 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013407 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SUBSTITUTED DIHYDROBENZOFURAN COMPOUNDS AND THEIR USE AS SYNERGISTS

(51) International classification :A01N43/08
(31) Priority Document No :102015000050013
(32) Priority Date :09/09/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2016/071020
Filing Date :07/09/2016
(87) International Publication No :WO 2017/042187
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CARLONI, Silvia
3)CAPPARELLA, Elisa
4)MOORES, Graham David
5)SZILAGYI, Janos.
6)TAKACS, Laszlo Barnabas
7)SCHMIDT, Jozsef
8)JOHNSTON, Mark

(57) Abstract :
The invention relates to a substituted dihydrobenzofuran compound of Formula (I) wherein R1 is a linear (C3 C6)alkyl and an insecticide composition comprising at least one insecticide active ingredient and at least one a compound of Formula (I).

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013439 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SHIFT REGISTER WITH REDUCED WIRING COMPLEXITY

(51) International classification :G11C 19/00
(31) Priority Document No :62/263,530
(32) Priority Date :04/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/064034
Filing Date :29/11/2016
(87) International Publication No :WO 2017/095824 A4
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)REDGRAVE, Jason Rupert

(57) Abstract :
A shift register is described. The shift register includes a plurality of cells and register space. The shift register includes circuitry having inputs to receive shifted data and outputs to transmit shifted data, wherein: i) circuitry of cells physically located between first and second logically ordered cells are configured to not perform any logical shift; ii) circuitry of ceils coupled to receive shifted data transmitted by an immediately preceding logically ordered cell comprises circuitry for writing into local register space data received at an input assigned an amount of shift specified in a shift command being executed by the shift register, and, iii) circuitry of cells coupled to transmit shifted data to an immediately following logically ordered cell comprises circuitry to transmit data from an output assigned an incremented shift amount from a shift amount of an input that the data was received on. [Figure 4]

No. of Pages : 42 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013448 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MICRO-ROUTE CHARACTERIZATION AND SELECTION

(51) International classification :H04B 7/08,
(31) Priority Document No :62/273,381
(32) Priority Date :30/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/067846
Filing Date :20/12/2016
(87) International Publication No :WO2017/116862
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)KOHLI, Sanjai

(57) Abstract :
ABSTRACT Apparatuses, methods, and systems for charactering and selecting micro-routes between nodes of a wireless network are disclosed. One method includes wirelessly communicating between a first node and a second node through a wireless link formed by at least one micro-route, determining a condition of the at least one micro-route, and selecting at least one other micro-route for communication between the first node and the second node based on a level of correlation between the at least one micro-route and the at least one other micro-route, after determining the condition.

No. of Pages : 52 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013458 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PMI REPORTING FOR A SET OF PORTS

(51) International classification :H04B 7/04
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/SE2015/051081
Filing Date :12/10/2015
(87) International Publication No :WO 2017/065652 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ERIKSSON, Erik
3)CIRKIC, Mirsad

(57) Abstract :
There is provided mechanisms for precoding matrix indicator (PMI) reporting for a set of ports. A method is performed by a wireless device. The method comprises receiving reference signals, the reference signals having been transmitted from a set of ports of a network node. The method comprises determining PMI information for the received reference signals. The method comprises transmitting the PMI information in a report to the network node, wherein the report comprises a combination of identifications of ports from the set of ports and identifications of the reference signals such that an identification of each port is paired with a respective identification of at most one of the reference signals.

No. of Pages : 36 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013459 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ROTATING ELECTRIC MACHINE

(51) International classification :H02K 3/18
(31) Priority Document No :2015-211873
(32) Priority Date :28/10/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/077539
Filing Date :16/09/2016
(87) International Publication No :WO 2017/073199 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)ITO, Kazumasa
5)OKAZAKI, Kodai
6)KAWAMURA, Koji

(57) Abstract :
ABSTRACT A rotary electric machine includes: a rotor that includes a plurality of magnetic poles; and a stator that is disposed so as to surround the rotor, the stator including: a stator core that includes teeth that extend from a core back in a radially inward direction of the rotor; and an armature winding that is mounted to the stator core. The armature winding is constituted by a plurality of identical-phase winding portions in which identical-phase coil portions among coil portions in which conducting wires are wound in concentration onto respective teeth are connected together into a series circuit by means of crossover wires, and that also have lead wires at two end portions. Each of the lead wires of each of the identical-phase winding portions is led out in a first axial direction of the rotor from coil portions that have identical phase, that are disposed so as to be adjacent in a circumferential direction of the stator core; and all of the crossover wires of each of the identical-phase winding portions are led out in a second axial direction of the rotor.

No. of Pages : 75 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/03/2018

(21) Application No.201847011112 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : UPDATING REGIONS FOR DISPLAY BASED ON VIDEO DECODING MODE

(51) International classification	:H04N19/105; H04N19/109
(31) Priority Document No	:14/931,358
(32) Priority Date	:03/11/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/050998 :09/09/2016
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)MARCHYA, Dileep
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3)KOTTILINGAL, Sudeep Ravi

(57) Abstract :
DISPLAY BASED ON VIDEO DECODING MODE Techniques are described in which a video decoding mode is used to determine which regions of a picture need to be composed. If a region of a current picture is decoded in skip mode with the reference picture of the skip mode being a previous picture that is displayed immediately prior to the current picture, then pixel values for that region may not need to be retrieved from system memory.

No. of Pages : 32 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/03/2018

(21) Application No.201847011113 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A TECHNIQUE FOR REDUCING SECTOR SWEEP TIME FOR MILLIMETER-WAVE DEVICES

(51) International classification :H04W 28/06
(31) Priority Document No :62/250,879
(32) Priority Date :04/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/060466
Filing Date :04/11/2016
(87) International Publication No :WO/2017/079518
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SANDEROVICH, Amichai
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3)HAY, Ran

(57) Abstract :
Certain aspects of the present disclosure provide techniques that may help reduce sector sweep time. In some cases, the techniques involve generating frames for transmission during a sector sweep procedure, each frame including one or more address fields being determined based on at least one of a transmitter address of the apparatus or a receiver address of an intended recipient of the generated frames and having fewer bits than at least one of the transmitter address or the receiver address

No. of Pages : 48 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011183 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING ENERGY FLOW BETWEEN DISSIMILAR ENERGY STORAGE DEVICES

(51) International classification :H02J 1/10 (2006.01)
(31) Priority Document No :14/844,742
(32) Priority Date :03/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/049572
Filing Date :31/08/2016
(87) International Publication No :WO/2017/040576
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)COAD, Nathan

(57) Abstract :
The present invention provides an energy storage system that utilizes batteries of multiple compositions and provides improved load sharing between the different types of batteries is disclosed. The energy storage system includes at least two batteries, where each battery has a different chemical composition for storing energy. One battery is configured for rapid charging/discharging and the other batter is configured for slower charging/discharging. Each battery is connected to a common connection via an energy regulator. The regulators are initially configured such that the energy regulator connected between the common connection and the battery configured for rapid charging/discharging responds initially to changes in power demand at the common connection. If power demand continues, the first regulator decreases the amount of energy transferred between the first battery and the common connection while the second regulator begins transferring energy between the second battery and the common connection.

No. of Pages : 43 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011191 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BISPECIFIC ANTI-HUMAN A-BETA/HUMAN TRANSFERRIN RECEPTOR ANTIBODIES AND METHODS OF USE

(51) International classification :C07K 16/18
(31) Priority Document No :15188064.8
(32) Priority Date :02/10/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/073411
Filing Date :30/09/2016
(87) International Publication No :WO/2017/055540
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Herein are provided bispecific anti-human A-beta/human transferrin receptor antibodies and methods of using the same.

No. of Pages : 76 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011192 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BISPECIFIC ANTI-HUMAN CD20/HUMAN TRANSFERRIN RECEPTOR ANTIBODIES AND METHODS OF USE

(51) International classification :C07K 16/28
(31) Priority Document No :15188067.1
(32) Priority Date :02/10/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/073413
Filing Date :30/09/2016
(87) International Publication No :WO/2017/055542
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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7)MOLHOJ, Michael
8)REGULA, Joerg Thomas
9)RUEGER, Petra
10)SCHAEFER, Wolfgang

(57) Abstract :
Herein are provided bispecific anti-human CD20/human transferrin receptor antibodies and methods of using the same.

No. of Pages : 89 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011194 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND COMPOSITIONS FOR ANTIBODY-EVADING VIRUS VECTORS

(51) International classification :C07K 14/015
(31) Priority Document No :62/234,016
(32) Priority Date :28/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/054143
Filing Date :28/09/2016
(87) International Publication No :WO/2017/058892
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)TSE, Long Ping Victor
4)GURDA, Brittney

(57) Abstract :
The present invention provides AAV capsid proteins comprising a modification in the amino acid sequence and virus vectors comprising the modified AAV capsid protein. The invention also provides methods of administering the virus vectors and virus capsids of the invention to a cell or to a subject in vivo. [Figure 1]

No. of Pages : 224 No. of Claims : 207

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :27/03/2018

(21) Application No.201847011195 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A METHOD OF FORMING GROUPS OF SMOKING ARTICLES

(51) International classification :B65B 19/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/GB2015/052823
Filing Date :29/09/2015
(87) International Publication No :WO/2017/055783
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
A method of forming groups of smoking articles so that each group forms an individual bundle of smoking articles for receipt in a respective smoking article pack is disclosed. The method includes supplying a receptacle of an apparatus for forming groups of smoking articles with different types of smoking articles such that they mix in the receptacle and each group is formed from the mixture of different types of smoking articles by said apparatus. An apparatus for forming groups of smoking articles and a multipack comprising a plurality of smoking article packs is also disclosed. [FIGURE 3]

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013684 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND SYSTEMS FOR IDENTITY CREATION, VERIFICATION AND MANAGEMENT

(51) International classification :G06F 21/30
(31) Priority Document No :62/270,658
(32) Priority Date :22/12/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/055215
Filing Date :03/10/2016
(87) International Publication No :WO 2017/112019
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)MANUEL, Scott Ryan
4)PIERLEONI, Marco
5)THOMAS,Jason A.

(57) Abstract :
An embodiment of a method of providing identity services includes: receiving identity data for an individual for which the identity provider has provided an identity; generating a transaction to store an identifier representing the identity data in a data structure on a blockchain of a distributed system; sending the transaction to at least one node of the distributed system; and generating an identity token incorporating the identifier representing the identity data. An embodiment of a method of verifying an identity includes: receiving data extracted from the identity token, wherein the extracted data includes an identifier representing the identity data; determining whether a data structure containing the extracted identifier representing the identity data is stored on a blockchain of a distributed system; and outputting an indication of a validity of an identity associated with the identity data based on the determination.

No. of Pages : 52 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013685 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BI-DIRECTIONAL CURRENT SENSING CIRCUIT

(51) International classification :H02M 1/00
(31) Priority Document No :14/871,636
(32) Priority Date :30/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/055037
Filing Date :30/09/2016
(87) International Publication No :WO 2017/059378
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ZHU, Zhaohui
4)VALENTINO,Gianluca

(57) Abstract :
ABSTRACT The embodiments described herein relate to an improved circuit technique for sensing current conducting in a power transistor coupled with an input power supply. The circuit includes a bi-directional current sensing circuit using current sensing transistor gate control. The circuit includes a forward current sensing transistor to sense current conducting in the power transistor during forward mode current of the circuit and a reverse boost current sensing transistor to sense current conducting during reverse current mode of the circuit. A level shifter is also provided with complementary outputs to either turn on the forward current sensing transistor or turn off the reverse boost current sensing transistor when the circuit is in forward current mode, or to turn off the forward current sensing transistor and turn on the reverse boost current sensing transistor when the circuit is in reverse current mode.

No. of Pages : 32 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013693 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DESIGN OF SYNCHRONIZATION SIGNALS FOR NARROWBAND OPERATION

(51) International classification :H04W 56/00
(31) Priority Document No :62/234,554
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/048973
Filing Date :26/08/2016
(87) International Publication No :WO/2017/058427
(61) Patent of Addition to Application Number :NA
Filing Date :NA
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Filing Date :NA

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7)WANG, RENQIU
8)FAKOORIAN, SEYED ALI AKBAR
9)VAJAPEYAM, MADHAVAN SRINIVASAN
10)RICO ALVARINO, ALBERTO
11)MONTOJO, JUAN

(57) Abstract :
Aspects of the present disclosure provide techniques for design of synchronization signals for narrowband operation, which can be used for stand-alone/inband/ guard-band deployment. An example method is provided for operations which may be performed by a base station (BS). The example method generally includes generating a primary synchronization signal (PSS) utilizing a first code sequence and a cover code applied to the first code sequence over a first number of symbols within one or more subframes, generating a secondary synchronization signal (SSS) based on a second code sequence over a second number of symbols within one or more subframes, and transmitting the PSS and the SSS in the first and second subframes to a first type of a user equipment (UE) that communicates on one or more narrowband regions of wider system bandwidth.

No. of Pages : 59 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013694 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CONDUCTING PUBLIC LAND MOBILE NETWORK (PLMN) SEARCHES IN A MULTI-RADIO ACCESS TECHNOLOGY (RAT) ENVIRONMENT

(51) International classification	:H04W 48/16 (2009.01)
(31) Priority Document No	:14/870,469
(32) Priority Date	:30/09/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/052625 :20/09/2016
(87) International Publication No	:WO/2017/058571
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)KUMAR, Mukesh
3)SANKA, Suresh

(57) Abstract :
Various embodiments for conducting a public land mobile network (PLMN) search for a plurality of radio access technologies (RATs) on a mobile communication device may include profiling a frequency space to identify one or more frequency bands that may be utilized by one of the plurality of RATs and determining, according to a priority ordering of the plurality of RATs, a RAT that utilizes each identified frequency band. The mobile communication device may add, for each RAT in the plurality of RATs, the identified frequency bands utilized by each RAT to exclude lists associated with other RATs in the plurality of RATs. The mobile communication device may then conduct a PLMN search for each RAT in the plurality of RATs utilizing the exclude lists associated with each RAT.

No. of Pages : 57 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013080 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : EVENT BATCHING, OUTPUT SEQUENCING, AND LOG BASED STATE STORAGE IN CONTINUOUS QUERY PROCESSING

(51) International classification	:G06F 11/14
(31) Priority Document No	:5688/CHE/2015
(32) Priority Date	:22/10/2015
(33) Name of priority country	:India
(86) International Application No Filing Date	:PCT/US2016/035811 :03/06/2016
(87) International Publication No	:WO/2017/069805
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)DESHMUKH, Unmesh Anil
4)THUKKARAM, Prabhu

(57) Abstract :
An event processing system is disclosed that processes events of an event stream and performs the recovery of events during system failure. The recovery of events is performed by generating output sequence numbers for each deterministic output event generated by the event processing system. In an embodiment, the event processing system determines a current output sequence number of a most recently transmitted output event in a output stream of events, a last output sequence number of an output event corresponding to a most recently processed batch of input events and determines a set of one or more output events of the output stream to be transmitted based on the current sequence number and the last output sequence number. The event processing system then transmits the output events related to the application.

No. of Pages : 76 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013102 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STARTING POWER GENERATION APPARATUS AND STARTING POWER GENERATION METHOD

(51) International classification :H03L 3/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2016/079497
Filing Date :04/10/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ARAI, Tatsuya

(57) Abstract :
ABSTRACT STARTING POWER GENERATION APPARATUS AND STARTING POWER GENERATION METHOD A starting power generation apparatus according to an embodiment of the present invention includes: a starter generator including a field portion having a permanent magnet, and an armature unit including a first multi-phase winding and a second multi-phase winding which are arranged in parallel; a first power conversion unit including a first positive-side DC terminal connected to a battery and a plurality of first AC terminals connected to the first multi-phase winding, the first power conversion unit being configured to convert a power bidirectionally between DC and AC; a second power conversion unit including a plurality of second AC terminals connected to the second multi-phase winding, the second power conversion unit being configured to control a current to be input and output via the second AC terminals; and a control unit configured to detect a positional relationship between the field portion and the armature unit based on an output voltage of the second multi-phase winding, and control the first power conversion unit and the second power conversion unit in accordance with the positional relationship detected. The control unit is configured to detect the positional relationship when the starter generator is stopped, based on time widths of two or more predetermined voltages generated in two or more windings constituting the second multi-phase winding in a case that an output voltage of the battery is applied to the first multi-phase winding for a predetermined time in a state where current input and output via the second AC terminals is off.

No. of Pages : 112 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013103 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TRAVEL CONTROL METHOD AND TRAVEL CONTROL APPARATUS

(51) International classification :G01C 21/26
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/077785
Filing Date :30/09/2015
(87) International Publication No :WO/2017/056249
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)FUJITA, Susumu
2)MISHINA, Yohei

(57) Abstract :
ABSTRACT TRAVEL CONTROL METHOD AND TRAVEL CONTROL APPARATUS A travel control method using a detector (110) is provided. The detector detects information on lane boundary lines of a lane around a subject vehicle as real boundary line information from an actual environment around the subject vehicle. The travel control method includes integrating the real boundary line information and map boundary line information to generate integrated boundary line information. The map boundary line information is information on the lane boundary lines of the lane included in map information. The travel control method further includes outputting the generated integrated boundary line information.

No. of Pages : 51 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012857 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR CONTROLLING COMMUNICATION, USER EQUIPMENT, AND BASE STATION

(51) International classification	:H04L1/00; H04L5/00;
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/CN2015/090807 :25/09/2015
(87) International Publication No	:WO2017/049623
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)CHAI, Li
2)WANG, Hong
3)CAO, Zhenzhen
4)ZHANG, Liangliang

(57) Abstract :
The present invention provides a method for controlling communication, user equipment, and 5 a base station. The method includes: obtaining, by user equipment from a base station when needing to perform first communication, a first communication resource required for the first communication, where the obtaining, by user equipment from a base station, a first communication resource required for the first communication includes: obtaining, if the user equipment is in an RRC idle state, the first communication resource by receiving a SIB broadcast by the base station; 10 or entering an RRC connected state if the user equipment is in an RRC idle state, and sending a first communication resource request to the base station, where the first communication resource request is used to request the base station to allocate the first communication resource; or sending a first communication resource request to the base station if the user equipment is in an RRC connected state, where the first communication resource request is used to request the base station to allocate 15 the first communication resource. In this way, a coverage base station controls resource allocation for first communication of user equipment. REFER TO

No. of Pages : 109 No. of Claims : 84

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012858 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS FOR SYNCHRONOUS ACCESS OF UNLICENSED MEDIUM BY GROUPING SMALL CELLS IN LICENSED ASSISTED ACCESS (LAA) NETWORKS

(51) International classification :H04W 72/04
(31) Priority Document No :14/869,617
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/CN2016/099349
Filing Date :19/09/2016
(87) International Publication No :WO/2017/054660
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SALEM, Mohamed Adel
2)MAAREF, Amine

(57) Abstract :
5 Methods and systems for managing access of a communication resource in a licensed assisted access (LAA) network. Each transmission point (TP) of a plurality of TPs provides a first set of information indicative of expected usage of a first communication resource by each TP. Information is transmitted to the TPs to cause each TP to align usage or reservation of the first communication resource with any 10 other TP belonging to a first radio access cluster (RAC) to which the given TP belongs, the first RAC being one in a first set of one or more RACs, wherein each of the plurality of TPs belongs to a respective RAC in the first set of RACs and each RAC in the first set of RACs contains one or more TPs.

No. of Pages : 44 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012859 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR CORRECTING ERRONEOUS DEPTH INFORMATION

(51) International classification :G06T 5/00
(31) Priority Document No :14/948,195
(32) Priority Date :20/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/056250
Filing Date :10/10/2016
(87) International Publication No :WO/2017/087088
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LINDNER, Albrecht Johannes
2)ATANASSOV, Kalin Mitkov
3)VERRALL, Stephen Michael

(57) Abstract :
An electronic device for generating a corrected depth map is described. The electronic device includes a processor. The processor is configured to obtain a first depth map. The first depth map includes first depth information of a first portion of a scene sampled by the depth sensor at a first sampling. The processor is also configured to obtain a second depth map. The second depth map includes second depth information of a second portion of the scene sampled by the depth sensor at a second sampling. The processor is additionally configured to obtain displacement information indicative of a displacement of the depth sensor between the first sampling and the second sampling. The processor is also configured to generate a corrected depth map by correcting erroneous depth information based on the first depth information, the second depth information, and the displacement information.

No. of Pages : 61 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012860 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND METHODS FOR REDUCING SLICE BOUNDARY VISUAL ARTIFACTS IN DISPLAY STREAM COMPRESSION (DSC)

(51) International classification	:H04N19/176 (2014.01)
(31) Priority Document No	:62/257,561
(32) Priority Date	:19/11/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/062460 :17/11/2016
(87) International Publication No	:WO/2017/087629
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)THIRUMALAI, Vijayaraghavan
2)JACOBSON, Natan Haim
3)JOSHI, Rajan Laxman

(57) Abstract :
Provided are systems and methods for adjusting quantization parameters of blocks of video data to be encoded, in order to reduce visual artifacts between slices of video data. Each slice includes one or more blocks organized in one or more lines, and can be coded independently without information from any other slices of video data. A complexity value of a current block corresponding to a last block of the slice on a particular line is determined and used to determine whether the current block includes a transition from a complex region to a flat region, wherein complex regions are characterized as having higher complexity in comparison to flat regions. In response to a determination that the current block includes such a transition, the QP for coding the current block may be decreased. REFER TO FIGURE 7

No. of Pages : 49 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013119 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INFORMATION PROCESSING APPARATUS, CONTROL METHOD THEREFOR, AND PROGRAM

(51) International classification :G06F 9/48
(31) Priority Document No :2015-183180
(32) Priority Date :16/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/076358
Filing Date :01/09/2016
(87) International Publication No :WO/2017/047476
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KOGURE, Takeshi
2)TSUKADA, Yoshihiro

(57) Abstract :
An information processing apparatus which is capable of carrying out asynchronous processes. In an MFP provided with an execution environment in which one thread is allowed to be used at one time regarding use of a thread, when an extension application 207a is started, a VM thread 205a and a VM 203a which uses the VM thread 205a are generated, and further another new VM thread 205b is generated in response to a request from the extension application 207a and a new VM 203b which uses the new VM thread 205b is generated.

No. of Pages : 43 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013126 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WEAVING MACHINE WITH A DEVICE AND METHOD FOR HOLDING, FEEDING AND INTRODUCING WEFT THREADS INTO A SHED

(51) International classification :D03D 47/12
(31) Priority Document No :10 2015 217 356.9
(32) Priority Date :10/09/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/070280
Filing Date :29/08/2016
(87) International Publication No :WO/2017/042039 D03D 47/12
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)GIELEN, Markus

(57) Abstract :
Abstract Weaving Machine with an Apparatus as well as Method for Holding, Feeding and Inserting Weft Threads in a Loom Shed Apparatus and method for holding and feeding weft threads (1, 2) to the gripper (6) of a weaving machine with drives (25, 29), with which clamps (11, 12) for the weft threads (1, 2) are moved on motion paths (35, 36) into respectively a feed position (16, 19), a transfer position (17, 20) and a ready position (18, 21). The motion path (35, 36) of each clamp comprises a shape that is closed in itself. In that regard, the motion beginning of at least one of the clamps (11, 12) out of its ready position (18, 21) into its feed position (16, 19) takes place in a time segment that extends from the beginning of the beat-up motion of the weaving reed (9) until the beat-up of the previously inserted weft thread (1, 2) against the beat-up line (10) of the weaving machine. (Figure 2)

No. of Pages : 66 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013127 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CIRCUIT COOLED ON TWO-SIDES

(51) International classification :H01L 23/34
(31) Priority Document No :10 2015 219 347.0
(32) Priority Date :07/10/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/073643
Filing Date :04/10/2016
(87) International Publication No :WO 2017/060224 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DILSCH, Roland
2)KRESS, Harald

(57) Abstract :
The invention relates to a component (9) comprising a first ceramic substrate (1) with an upper side (lb) and a lower side (1a), wherein a metallization (2) is applied on the upper side (lb), on which metallization an Si circuit (4) is mounted by its lower side via a connecting means (3). In order that the Si circuit (4) is cooled on both sides by elements with a high thermal conductivity and simultaneously a high electrical conductivity, and in order that the efficiency of the assembly is increased, according to the invention, a connecting means (5) is applied on the upper side (lb) of the Si circuit (4), on which connecting means a ceramic flat substrate (6) is attached by its lower side, and a second ceramic substrate (8) is arranged on the flat substrate (6) via a metallization (7), wherein the ceramic flat substrate (8) contains metal-filled thermal electrical vias (11) and/or cooling ducts for conveying a cooling means.

No. of Pages : 9 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013128 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LOOM FOR PRODUCING WOVEN MATERIAL, HAVING INCORPORATED KNITTING THREADS OR COVER THREADS

(51) International classification :D04B5/00
(31) Priority Document No :15184654.0
(32) Priority Date :10/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069656
Filing Date :18/08/2016
(87) International Publication No :WO 2017/042015 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BORER, Silvan
2)ENGESSER, Bernhard

(57) Abstract :
LOOM FOR PRODUCING WOVEN MATERIAL, HAVING INCORPORATED KNITTING THREADS OR COVER THREADS
In order to provide a weaving loom having incorporated knitting threads, it is provided that the corresponding device for incorporating knitting threads comprises a feeding device for each knitting thread and, also for each knitting thread, a dipping guide needle (4) which comprises a thread guiding eye and which can be dipped between warp threads (2, 3) into the shed all the way below the insertion path of the weft-insertion device (7). Each one of the dipping guide needles (4) is slidingly arranged transversely to the warp direction, thus being able to move across the width of the woven material. Furthermore, there is provided a combing shaft (10) that comprises a plurality of teeth with intermediate spaces arranged therebetween for guiding the knitting threads. The combing shaft (10) that is slidable transversely to the direction of the warp thread and is rotatable around an axis in the direction of the rail is arranged transversely to the direction of the warp thread behind the stop position of the reed. The teeth of the combing shaft comprise protrusions which are designed in such manner that the teeth can retain the knitting threads in at least one rotational position of the combing shaft.

No. of Pages : 34 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013498 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ADHESIVE BACKED DECORATIVE ARTICLE, METHOD OF MAKING, AND METHOD OF USE

(51) International classification :C09J 7/02
(31) Priority Document No :2015-200924
(32) Priority Date :09/10/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/US2016/055629
Filing Date :06/10/2016
(87) International Publication No :WO 2017/062540 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)EGASHIRA, Ken

(57) Abstract :
ABSTRACT ADHESIVE BACKED DECORATIVE ARTICLE, METHOD OF MAKING, AND METHOD OF USE A decorative article comprising a main body portion that can be deformed based on the shape of an adhering surface, and can be fixed to the adhering surface via an adhesive layer, without substantially stretching during adhesion. The main body portion will not inelastically deform, even if an operator pulls on the main body portion, when adhering to the adhering surface. The main body portion is deformed based on the shape of the adhering surface. Therefore, when the operator deforms the main body portion based on the shape of the adhering surface and adheres the adhesive-backed decorative article to the adhering surface, it is not necessary to perform a position adjustment by pulling and stretching the main body portion. Furthermore, an adhesive-backed decorative article can be adhered to the adhering surface regardless of the shape of the adhering surface.

No. of Pages : 55 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013499 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MASTERBATCH COMPOSITION AND RUBBER COMPOSITION INCLUDING GLASS BUBBLES AND A TOUGHENING AGENT AND RELATED METHODS

(51) International classification :C08K 7/20
(31) Priority Document No :62/239,304
(32) Priority Date :09/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/056066
Filing Date :07/10/2016
(87) International Publication No :WO 2017/062814 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)PARK, Dae-Soon
2)LIM, Sung Wook
3)AMOS, Stephen E.
4)NELSON, Per M.

(57) Abstract :
ABSTRACT MASTERBATCH COMPOSITION AND RUBBER COMPOSITION INCLUDING GLASS BUBBLES AND A TOUGHENING AGENT AND RELATED METHODS A masterbatch composition including glass bubbles and a toughening agent in a blend of syndiotactic 1,2-polybutadiene and cis-1,4-polybutadiene is disclosed. The glass bubbles are present in an amount of at least 25 percent by weight, based on the total weight of the masterbatch composition. A method of making a rubber composition from the masterbatch composition is disclosed as well as a rubber composition and vulcanized rubber made from the masterbatch composition. A rubber composition that includes syndiotactic 1,2-polybutadiene, cis-1,4-polybutadiene, a toughening agent that includes at least one of a fluoroplastic or an organic or ceramic fiber, and glass bubbles in an amount up to 25 percent by weight, based on the total weight of the rubber composition, is also disclosed.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013504 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SOUNDING REFERENCE SIGNAL TRANSMISSIONS IN ENHANCED MACHINE TYPE COMMUNICATION

(51) International classification :H04L5/00,H04W4/00,H04L5/14
(31) Priority Document No :62/255,451
(32) Priority Date :14/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/059898
Filing Date :01/11/2016
(87) International Publication No:WO/2017/083137
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)RICO ALVARINO, Alberto
2)CHEN, Wanshi
3)XU, Hao

(57) Abstract :
Certain aspects of the present disclosure generally relate to wireless communications and more specifically to sounding reference signal (SRS) transmissions in enhanced machine type communication (MTC). An example method generally includes determining one or more narrowband regions partitioned from wider system bandwidth for communicating with a base station determining resources within the one or more narrowband regions of a first subframe for transmission of sounding reference signals (SRS) by the UE deciding whether or not to transmit SRS on the determined resources of the first subframe and transmitting or not transmitting the SRS on the determined resources of the first subframe based on the decision.

No. of Pages : 29 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013517 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND SYSTEM FOR PERSONALIZED ASSOCIATION OF VOICES AND PATTERNS

(51) International classification :C12N 15/29
(31) Priority Document No :201510590655.3
(32) Priority Date :17/09/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/094086
Filing Date :09/11/2015
(87) International Publication No :WO/2017/045257
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)ZHOU, Peng
2)YANG, Taoliu
3)ZHANG, Ke
4)YANG, Qing
5)JIA, Haitao
6)WU, Xiaochuan

(57) Abstract :
The present invention provides a method for establishing a personalized association between voice and pattern, comprising: acquiring voice data of a user; converting the voice data into a pattern and storing the pattern; and reading the voice data corresponding to a to-be-queried pattern according to a query instruction of the user. The present invention establishes a personalized association relationship between voice and pattern, and takes the pattern corresponding to the voice as a pattern capable of effectively propagated on the Internet. Moreover, the present invention can form a pattern-voice double medium by converting a pattern into a voice, thus improving propagation range and effectiveness.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012861 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INTER-SUBNET AND INTRA-SUBNET ROAMING OF A WIRELESS STATION (STA) IN A WLAN

(51) International classification	:H04W 36/00 (2009.01)
(31) Priority Document No	:14/939,935
(32) Priority Date	:12/11/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/061158 :09/11/2016
(87) International Publication No	:WO/2017/083404
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)JOSHI, Ravi, Arun
2)KUNAMALLA, Shravya
3)LEE, Hoon, Ki
4)BAHINI, Dagbegnon, Henri
5)CHAUHAN, Rajesh

(57) Abstract :
Methods, systems, and devices are described for wireless communication. A station (STA) with a host processor and a radio processor may communicate with a first access point (AP) in a first subnet. The STA may store network information for the first subnet in memory of the STA. The STA may identify a second access point and determine, by the radio processor without communication with the host processor, whether the second access point is in the first subnet or a second subnet. The determination may be based at least in part on the network information stored in memory. REFER TO FIGURE 3

No. of Pages : 58 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018
(21) Application No.201847012890 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TRAVEL CONTROL METHOD AND TRAVEL CONTROL APPARATUS

(51) International classification :G08G 1/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/077783
Filing Date :30/09/2015
(87) International Publication No :WO/2017/056247
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT TRAVEL CONTROL METHOD AND TRAVEL CONTROL APPARATUS A travel control method is provided for estimating a position of a moving object around a subject vehicle using a detector (110) configured to detect the moving object. This method includes detecting a direction of travel in a lane from map information. The lane is located on a road on which the moving object travels. When the subject vehicle is changing directions, the position of the moving object is estimated on the basis of the direction of travel in the lane.

No. of Pages : 48 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012909 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SPEAKER VERIFICATION

(51) International classification :G10L17/02,G10L17/18
(31) Priority Document No :15/211317
(32) Priority Date :15/07/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/040906
Filing Date :06/07/2017
(87) International Publication No :WO 2018/013401
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)WAN, Li
3)WANG, Quan

(57) Abstract :
Methods systems apparatus including computer programs encoded on computer storage medium to facilitate language independent speaker verification. In one aspect a method includes actions of receiving by a user device audio data representing an utterance of a user. Other actions may include providing to a neural network stored on the user device input data derived from the audio data and a language identifier. The neural network may be trained using speech data representing speech in different languages or dialects. The method may include additional actions of generating based on output of the neural network a speaker representation and determining based on the speaker representation and a second representation that the utterance is an utterance of the user. The method may provide the user with access to the user device based on determining that the utterance is an utterance of the user.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012940 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CONTACT ARRANGEMENT AND METHOD FOR REDUCING CROSS TALK

(51) International classification	:H01R12/72,H01R13/6466,H01R13/6464
(31) Priority Document No	:10 2015 217 277.5
(32) Priority Date	:10/09/2015
(33) Name of priority country	:Germany
(86) International Application No Filing Date	:PCT/EP2016/071381 :09/09/2016
(87) International Publication No	:WO 2017/042373
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)ALMEIDA, Carlos

(57) Abstract :
There is disclosed a contact arrangement (1) having a first contact element pair (10) for contacting a first pair (110) of signal lines (100) in a first connector (101) and having a second contact element pair (20) for contacting a second pair (120) of signal lines (100) in a second connector (102) wherein a second contact element (12) of the first contact element pair (10) and a first contact element (21) of the second contact element pair (20) are adjacent wherein a first contact element (11) of the first contact element pair (10) is connected to the first contact element (21) of the second contact element pair (20) via an electrical arrangement (210) and the capacitance (Cy 1) of the electrical arrangement (210) corresponds to the capacitance (Cx 1) between the second contact element (12) of the first contact element pair (10) and the first contact element (21) of the second contact element pair (20). There is further disclosed a corresponding method. Cross talk is minimised with such a solution.

No. of Pages : 12 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012638 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR PRODUCING E-CAPROLACTAM

(51) International classification :C07D 223/10
(31) Priority Document No :2015-179243
(32) Priority Date :11/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/076389
Filing Date :08/09/2016
(87) International Publication No :WO 2017/043560 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ITO, Masateru
3)YAMADA, Katsushige
4)YAMASHITA, Kohei
5)AKAHIRA, Masato
6)YAMAUCHI, Koji

(57) Abstract :
ABSTRACT A method of producing s-caprolactam from 3-oxoadipic acid which is preferred as a biomass resource is disclosed. The method of producing s-caprolactam includes: the step 1 of mixing at least one selected from the group consisting of 3-oxoadipic acid and salts thereof with a catalyst and a solvent in the presence of hydrogen to produce 3-hydroxyadipic acid; and the step 2 of reacting the 3-hydroxyadipic acid which is a product of the step 1, a salt or carboxylic acid derivative thereof, or a mixture of these with hydrogen and ammonia.

No. of Pages : 40 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012677 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : EFFICIENT DISPLAY PROCESSING WITH PRE-FETCHING

(51) International classification :G06T 1/60 (2006.01)
(31) Priority Document No :14/860,225
(32) Priority Date :21/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044979
Filing Date :01/08/2016
(87) International Publication No :WO/2017/052781
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SAURABH, Kumar
2)MODAIKKAL, Sreekanth
3)MADUGIRI SIDDARAJU, Anitha
4)SHETTY BRAHMAVAR, Naveenchandra

(57) Abstract :
In an example, a method for tile-based processing by a display processor may include reading first foreground tile data of a foreground image from a first memory space. The method may include storing the read first foreground tile data into a second memory space. The method may include reading first background tile data of a background image from the first memory space. The method may include storing the read first background tile data into a third memory space. The method may include reading a subset of data of the first foreground tile data from the second memory space. The method may include reading a subset of data of the first background tile data from the third memory space. REFER TO FIGURE 7A

No. of Pages : 54 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012678 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CAMERA PREVIEW

(51) International classification :H04N 21/4223
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2015/090123
Filing Date :21/09/2015
(87) International Publication No :WO/2017/049430
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DING, Jingting
2)LING, Fan
3)ZOU, Xuan

(57) Abstract :
An electronic device receives a plurality of images at different times while the device is operating in an image preview mode, and prior to a user-initiated image capture request, the electronic device generates a clean preview image that excludes one or more moving objects from the preview image.

No. of Pages : 39 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018
(21) Application No.201847012679 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VARIABLE PARTITION SIZE FOR BLOCK PREDICTION MODE FOR DISPLAY STREAM COMPRESSION (DSC)

(51) International classification :H04N 19/119
(31) Priority Document No :62/220,699
(32) Priority Date :18/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051987
Filing Date :15/09/2016
(87) International Publication No :WO/2017/048991
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)THIRUMALAI, Vijayaraghavan
3)JOSHI, Rajan Laxman

(57) Abstract :
A method for coding a block of video data in block prediction mode of a constant bitrate video coding scheme for transmission over display links is disclosed. In one aspect, the method includes determining one or more first candidate regions to be used to predict a current region within the block of video data using a first partitioning scheme, determining one or more second candidate regions to be used to predict the current region using a second partitioning scheme, determining that a first cost associated with coding the current region using the first partitioning scheme is greater than a second cost associated with coding the current region using the second partitioning scheme, and coding the current region using the second partitioning scheme.

No. of Pages : 71 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018
(21) Application No.201847012680 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PREAMBLE FOR NON-LINEARITY ESTIMATION

(51) International classification :H04W 28/06
(31) Priority Document No :62/252,409
(32) Priority Date :06/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/060049
Filing Date :02/11/2016
(87) International Publication No :WO/2017/079244
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SANDEROVICH, Amichai

(57) Abstract :
ABSTRACT PREAMBLE FOR NON-LINEARITY ESTIMATION Certain aspects of the present disclosure relate to methods and apparatus for wireless communication. More particularly, aspects of the present disclosure generally relate to techniques for wireless communications by an apparatus comprising a processing system configured to a processing system configured to generate a frame having at least a first header that is phase modulated and to modulate an amplitude of the first header prior to the first header being amplified by a power amplifier, and a first interface configured to output the frame for transmission. REFER TO FIGURE 6

No. of Pages : 52 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018
(21) Application No.201847012681 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CODING SIGN INFORMATION OF VIDEO DATA

(51) International classification :H04N 19/105
(31) Priority Document No :62/255,206
(32) Priority Date :13/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/061616
Filing Date :11/11/2016
(87) International Publication No :WO/2017/083710
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KARCZEWICZ, Marta
2)ZHANG, Li
3)CHEN, Jianle
4)CHIEN, Wei-Jung

(57) Abstract :
ABSTRACT CODING SIGN INFORMATION OF VIDEO DATA An example device for decoding video data includes a memory configured to store video data and one or more processors implemented using digital logic circuitry, the processors configured to determine a context model for entropy decoding a value for a sign of a transform coefficient of a block of the video data based on one or more sign values of neighboring transform coefficients and entropy decode the value for the sign of the transform coefficient using the context model. REFER TO FIGURE 11

No. of Pages : 63 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012682 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BACKOFF MECHANISM FOR DYNAMIC CLEAR CHANNEL ASSESSMENT (CCA)

(51) International classification :H04W 52/50
(31) Priority Document No :62/252,368
(32) Priority Date :06/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/060516
Filing Date :04/11/2016
(87) International Publication No :WO/2017/079548
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BARRIAC, Gwendolyn, Denise
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3)MERLIN, Simone
4)ASTERJADHI, Alfred
5)ZHOU, Yan
6)TIAN, Qingjiang

(57) Abstract :
ABSTRACT BACKOFF MECHANISM FOR DYNAMIC CLEAR CHANNEL ASSESSMENT (CCA) A wireless first device may receive a packet from another device from an overlapping basic service set (OBSS). A received power of the packet may be greater than a threshold for transmitting during the time of the packet. If the first device reduces its transmit power, the first device may increase the threshold. If the received power is less than the increased threshold, the first device may count down a backoff count during a transmission time or transmission opportunity of the packet. In some cases, after the transmission time or transmission opportunity, the first device may increase its transmission power. In some cases, the condition for counting down a backoff count may also include initiating or finishing the transmission during the transmission time or the transmission opportunity of the packet, or transmitting at the reduced power. REFER TO FIGURE 3

No. of Pages : 48 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012683 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND APPARATUS FOR EARLY DETECTION OF HIGH EFFICIENCY WIRELESS PACKETS IN WIRELESS COMMUNICATION

(51) International classification	:H04L 5/00
(31) Priority Document No	:62/252,300
(32) Priority Date	:06/11/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/060517 :04/11/2016
(87) International Publication No	:WO/2017/079549
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)YANG, Lin
2)TIAN, Bin
3)VERMANI, Sameer

(57) Abstract :
ABSTRACT METHODS AND APPARATUS FOR EARLY DETECTION OF HIGH EFFICIENCY WIRELESS PACKETS IN WIRELESS COMMUNICATION A method for wireless communication is provided. The method includes receiving, at a wireless device, a packet including a first field over a first number of tones, and a second field over a second number of tones. The second number of tones is greater than the first number of tones by a number of one or more edge tones carrying data. The method further includes determining at least one of a communication mode and a channel estimation based at least in part on the one or more edge tones carrying data. REFER TO FIGURE 8

No. of Pages : 49 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012684 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SIGNALING USAGE OF CYCLIC SHIFT DIVERSITY IN TRANSMITTING WIRELESS DEVICES

(51) International classification :G01S 1/26
(31) Priority Document No :62/253,024
(32) Priority Date :09/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/061127
Filing Date :09/11/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MALIK, Rahul
2)ALDANA, Carlos Horacio

(57) Abstract :
Aspects of the present disclosure may compensate for cyclic shift delays (CSD) in transmitted signals when estimating angle of arrival information of a wireless signal transmitted by a transmitting device. In some aspects, a receiving device may determine a presence of CSD in the wireless signal, and estimate an angle of arrival of the wireless signal based at least in part on the presence of CSD. For example, the receiving device may determine a first tap of the wireless channel based at least in part on the CSD. The receiving device may then determine a phase difference of the wireless signal between a plurality of antennas of the receiving device based on the first tap of the wireless channel. The receiving device may estimate the angle of arrival of the wireless signal based on the phase difference.
REFER TO FIGURE 6

No. of Pages : 48 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018

(21) Application No.201847001765 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PIXEL RECEIVER WITH CAPACITANCE CANCELLATION FOR ULTRASONIC IMAGING APPARATUS

(51) International classification :G01S 7/52
(31) Priority Document No :14/842,826
(32) Priority Date :01/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/047103
Filing Date :15/08/2016
(87) International Publication No :WO 2017/040018
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)XIA, Lingli

(57) Abstract :
An apparatus, such as a pixel sensor for an ultrasonic imaging apparatus, is disclosed. The apparatus includes a first metallization layer coupled to a piezoelectric layer, wherein a first voltage is formed at the first metallization layer in response to an ultrasonic wave reflecting off an item-to-be-imaged (e.g., a users fingerprint) and propagating through the piezoelectric layer, and wherein the first metallization layer is situated above a substrate; a second metallization layer situated between the first metallization layer and the substrate; and a device configured to apply a second voltage to the second metallization layer to reduce a parasitic capacitance between the first metallization layer and the substrate.

No. of Pages : 46 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :16/01/2018

(21) Application No.201847001786 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : WASHING MACHINE HAVING SEPARATE WASHING ARRANGEMENTS

(51) International classification :D06F 29/00
(31) Priority Document No :201510332 543.8
(32) Priority Date :16/06/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2015/095910
Filing Date :30/11/2015
(87) International Publication No :WO/2016/201906
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)WANG, Kaiming
3)ZHU, Yingxi
4)ZHAI, Qingming
5)YANG, Xuguang

(57) Abstract :
A washing machine having separate washing arrangements, comprising a housing (1), and, arranged within said housing (1), a first automatic washing system (2) and a second automatic washing system (3). The housing (1) contains a first washing area (4) for accommodating the first automatic washing system (2) and a second washing area (5) for accommodating the second automatic washing system (3), said first washing area (4) and second washing area (5) being arranged one on the left and the other on the right. The axis of the first automatic washing system (2) and the axis of the second automatic washing system (3) are vertical. A user may choose according to need whether to operate one automatic washing system or both automatic washing systems at the same time; as the working principles and modes of installation of said two systems are different, during washing processes, the direction of sway and amplitude of sway of each accommodating drum accommodating wash water are different, hence the distance at which said two accommodating drums are arranged one away from the other is reduced. The direction and the location of the forces to which the housing (1) is subjected also are different, thus avoiding that vibration and forces occasioned by concurrent operation of the two washing systems directly combine; the forces received by the housing (1) being thus more dissipated, deformation of the housing (1) is avoided.

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201848012582 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DETERMINING INTRA PREDICTION MODE OF IMAGE CODING UNIT AND IMAGE DECODING UNIT •

(51) International classification :H04N 7/34
(31) Priority Document No :10-2010-0031145
(32) Priority Date :05/04/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/002375
Filing Date :05/04/2011
(87) International Publication No :WO/2011/126275
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9254/CHENP/2012
Filed on :30/10/2012

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1)MIN, Jung-Hye
2)ALSHINA, Elena
3)HAN, Woo-Jin

(57) Abstract :
DETERMINING INTRA PREDICTION MODE OF IMAGE CODING UNIT AND IMAGE DECODING UNIT A method and apparatus for determining an intra prediction mode of a coding unit. Candidate intra prediction modes of a chrominance component coding unit, which includes an intra prediction mode of a luminance component coding unit, are determined, and costs of the chrominance component coding unit according to the determined candidate intra prediction modes are compared to determine a minimum cost intra prediction mode to be the intra prediction mode of the chrominance component coding unit.

No. of Pages : 74 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201848012588 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SHEET OF COLD MATERIAL AND METHOD AND TOOL FOR ITS MANUFACTURE

(51) International classification :B21D 13/10
(31) Priority Document No :0722263.1
(32) Priority Date :13/11/2007
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2008/000261
Filing Date :24/01/2008
(87) International Publication No :WO/2009/063154
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :3339/CHENP/2009
Filed on :24/01/2008

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(72)**Name of Inventor :**
1)DEELEY, Geoffrey, Thomas
2)HUMPAGE, Roy
3)CASTELLUCCI, Michael

(57) Abstract :
ABSTRACT SHEET OF COLD MATERIAL AND METHOD AND TOOL FOR ITS MANUFACTURE • A sheet of cold rolled material having on both of its surfaces rows of projections (11) and rows of depressions (12), the projections (11) on one surface corresponding with the depressions (12) on the other surface, the relative positions of the projections (11) and depressions (12) being such that lines drawn on a surface of the sheet between adjacent rows of projections (11) are non-rectilinear, the sheet having a base gauge G, wherein each projection (11) has a substantially continuous region of peak plastic strain at, toward or about its apex and/or is thinned by no more than 25% of its base gauge G. Methods of forming the sheet material and tools for forming the sheet material are disclosed. FIGURE 8A

No. of Pages : 38 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013519 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : GRAPHICS PROCESSING UNIT PREEMPTION WITH PIXEL TILE LEVEL GRANULARITY

(51) International classification :G06T1/20,G06F9/46
(31) Priority Document No :62/234355
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/041525
Filing Date :08/07/2016
(87) International Publication No :WO 2017/058331
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ACHARYA, Anirudh Rajendra
2)ZHONG, Gang
3)GOEL, Vineet

(57) Abstract :
Techniques are described with respect to preemption in which a graphics processing unit (GPU) may execute a first set of commands in response to receiving a draw call the draw call defining a plurality of primitives that are to be rendered by the first set of commands receive a preemption notification during execution of the first set of commands and preempt the execution of the first set of commands prior to completing the execution of the first set of commands to render the plurality of primitives of the draw call for executing a second set of commands.

No. of Pages : 39 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013520 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMPROVED VIDEO INTRA PREDICTION USING POSITION DEPENDENT PREDICTION COMBINATION FOR VIDEO CODING

(51) International classification	:H04N19/593,H04N19/176,H04N19/11
(31) Priority Document No	:62/234,645
(32) Priority Date	:29/09/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/053126 :22/09/2016
(87) International Publication No	:WO 2017/058635
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)ZHAO, Xin
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4)KARCZEWICZ, Marta

(57) Abstract :
Techniques are described to improved video intra prediction using position-dependent prediction combination in video coding. In High Efficiency Video Encoding a set of 35 linear predictors are used for doing intra coding and prediction can be computed from either a nonfiltered or a filtered set of neighboring reference pixels, depending on the selected predictor mode and block size. Techniques of this disclosure may use a weighted combination of both the nonfiltered and filtered set of reference pixels to achieve better compression via improved prediction and therefore small residual, enable effective parallel computation of all sets of prediction values, and maintain low complexity via applying filtering only to a set of reference pixels and not to predicted values themselves. REFER TO FIGURE 6

No. of Pages : 37 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013521 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : HIGH DYNAMIC RANGE SOLID STATE IMAGE SENSOR AND CAMERA SYSTEM

(51) International classification	:H04N5/355,H04N5/3745,H04N5/369
(31) Priority Document No	:62/236,033
(32) Priority Date	:01/10/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/050729 :08/09/2016
(87) International Publication No	:WO 2017/058488
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)GOMA, Sergiu
2)HSEIH, Biay-Cheng

(57) Abstract :
A high dynamic range solid state image sensor and camera system are disclosed. In one aspect the solid state image sensor includes a first wafer including an array of pixels each of the pixels comprising a photosensor and a second wafer including an array of readout circuits. Each of the readout circuits is configured to output a readout signal indicative of an amount of light received by a corresponding one of the pixels and each of the readout circuits includes a counter. Each of the counters is configured to increment in response to the corresponding photosensor receiving an amount of light that is greater than a photosensor threshold. Each of the readout circuits is configured to generate the readout signal based on a value stored in the corresponding counter and a remainder stored in the corresponding pixel.

No. of Pages : 24 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201847013541 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : APPARATUS AND METHOD TO SECURELY CONTROL A REMOTE OPERATION

(51) International classification :G06F21/62,G06F21/51,H04L9/08
(31) Priority Document No :14/856299
(32) Priority Date :16/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/047833
Filing Date :19/08/2016
(87) International Publication No :WO 2017/048458
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Address of Applicant :ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A.
(72)**Name of Inventor :**
1)KEIDAR Ron

(57) Abstract :
Disclosed is a device to securely authorize a software operation. The device may comprise: a processor to transmit a software operation including an operation parameter; and a security verification device. The security verification device may be coupled to the processor and may be configured to: receive a secret key selection and a first password; select a secret key; receive the software operation including the operation parameter; and implement a key derivation function to generate a second password based upon the selected secret key and the software operation including the operation parameter. Further the security verification device may be configured to determine if the second password matches the first password and if so authorize the performance of the software operation.

No. of Pages : 15 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013137 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROCESS FOR THE PREPARATION OF CATALYST COMPONENTS FOR THE POLYMERIZATION OF OLEFINS

(51) International classification :C08F 110/06
(31) Priority Document No :15184880.1
(32) Priority Date :11/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/070440
Filing Date :31/08/2016
(87) International Publication No :WO/2017/042058
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)VITALE, Gianni
2)LIGUORI, Dario
3)MORINI, Giampiero

(57) Abstract :
ABSTRACT PROCESS FOR THE PREPARATION OF CATALYST COMPONENTS FOR THE POLYMERIZATION OF OLEFINS A process for the preparation of a solid catalyst component comprising a Ti compound, a Bi compound and optionally an electron donor on a Mg chloride based support, said process comprising one or more steps (a) carried out at a temperature ranging from 0 to 150°C in which a Mg based compound of formula (MgClmX2-m),nLB , in which m ranges from 0 to 2, n ranges from 0 to 6, X is, independently R1, OR1, -OCOR1 or 0-C(0)-OR1 group in which R1 is a C1-C20 hydrocarbon group and LB is a Lewis base, is reacted with a liquid medium comprising a Ti compound having at least a Ti-Cl bond in an amount such that the Ti/Mg molar ratio is higher than 3; said process being characterized by the fact that in at least one of said steps (a) a Bi compound is dissolved or dispersed in said liquid medium comprising the titanium compound.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013138 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POLISHING PADS AND SYSTEMS AND METHODS OF MAKING AND USING THE SAME

(51) International classification :B24B 37/22
(31) Priority Document No :62/238,668
(32) Priority Date :07/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/055908
Filing Date :07/10/2016
(87) International Publication No :WO/2017/062719
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LEHUU, Duy K.
2)SLAMA, David F.

(57) Abstract :
ABSTRACT POLISHING PADS AND SYSTEMS AND METHODS OF MAKING AND USING THE SAME The present disclosure relates to polishing pads which include a polishing layer, a porous substrate and an interfacial region. The present disclosure relates to a method of making the polishing pads. The present disclosure relates to a method of polishing a substrate, the method of polishing including: providing a polishing pad according to any one of the previous polishing pads; providing a substrate, contacting the working surface of the polishing pad with the substrate surface, moving the polishing pad and the substrate relative to one another while maintaining contact between the working surface of the polishing pad and the substrate surface, wherein polishing is conducted in the presence of a polishing solution. [Figure 2C]

No. of Pages : 79 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013146 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ROTARY ELECTRIC MACHINE

(51) International classification :D05B69/12
(31) Priority Document No :JP 2015-211874
(32) Priority Date :28/10/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP20l6/055896
Filing Date :26/02/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)Masatsugu NAKANO
3)Kazumasa ITO
4)Yu HIROTANI
5)Hiroko IKEDA
6)Koji KAWAMURA

(57) Abstract :
The present invention provides a rotary electric machine that can suppress increases in localized heat generation if the number of turns or wire diameter of conducting wires of some coil portions are changed. In the armature winding of this rotary electric machine, in a series coil portion group, where a largest electrical angular phase difference between two of the coil portions is 0m, an electrical angular phase difference of a first of the coil portions that have the largest electrical angle phase difference is Oi - 0°, and respective electrical angular phase differences of remaining coil portions relative to the 61 coil portion are 62, etc., through 0m in increasing order, the numbers of turns of conducting wire in the coil portions that have an electrical angular phase difference of Ok that satisfies 61 < Ok < 6m, where k - 2, 3, etc., through m - 1, are different than the numbers of turns of conducting wire in the 61 and 0m coil portions, and are also different than the numbers of turns of conducting wire in the coil portions that are adjacent to the Ok coil portions on two sides in a circumferential direction of the stator core, and phases of the Ok coil portions are also different than phases of each of the coil portions that are adjacent to the Ok coil portions on the two sides in the circumferential direction.

No. of Pages : 93 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013150 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COMPOSITION OF HAIR OIL FOR STIMULATION OF HAIR GROWTH, CONTROL OF HAIRFALL, DANDRUFF AND INFECTIONS THEREOF

(51) International classification	:A61K 8/92 (2006.01)
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/US2016/48679 :25/08/2016
(87) International Publication No	:WO2017/062108
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)Philip Samuel
2)Boobalarasu Nadar
3)Roshni Raj

(57) Abstract :
COMPOSITION OF HAIR OIL FOR STIMULATION OF HAIR GROWTH, CONTROL OF HAIRFALL, DANDRUFF AND INFECTIONS THEREOF Abstract of the Invention An improved composition of hair oil for stimulation of hair growth, control of hair fall, dandruff and infections thereof. The composition of hair oil comprising active ingredients of Capric Caprylic Tri-Glycerides (CCTG), mineral oil, coconut oil, ylang ylang oil, dipropylene glycol, centella asiatica extract and butylated hydroxytoulene. The composition of hair oil supports the hair growth and relaxation of the scalp. The composition of hair oil also effectively reduces/remove dandruff and thereby control hair fall in the subject (e.g., not limiting to male/female human). The composition of hair oil additionally demonstrates the properties of cooling effect, darkening of hair and promotion of hair upon continuous use of the hair oil by the subjects. The proposed composition is alternatively used to reduce/remove psoriasis.

No. of Pages : 17 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018

(21) Application No.201847012685 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : UPLINK CHANNEL INFORMATION

(51) International classification :H04B 7/06
(31) Priority Document No :62/253,576
(32) Priority Date :10/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050983
Filing Date :09/09/2016
(87) International Publication No :WO/2017/083000
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CHEN, Chin-Hung
2)ZHANG, Ning
3)KIM, Youhan

(57) Abstract :
A method for sending data includes receiving, at a first station of a plurality of stations, a trigger frame from an access point of a wireless network. The method also includes determining a downlink channel estimation based on the trigger frame and sending the downlink channel estimation to the access point. The method further includes receiving uplink channel data from the access point in response to sending the downlink channel estimation. The method also includes sending data to the access point based on the uplink channel data. REFER TO FIGURE 1

No. of Pages : 40 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/04/2018
(21) Application No.201847012686 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : UPLINK CHANNEL INFORMATION

(51) International classification :H04B 7/06
(31) Priority Document No :62/253,576
(32) Priority Date :10/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051340
Filing Date :12/09/2016
(87) International Publication No :WO/2017/083002
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CHEN, Chin-Hung
2)ZHANG, Ning
3)KIM, Youhan

(57) Abstract :
A method for determining uplink channel information includes sending a trigger frame from an access point of a wireless network to a plurality of stations in the wireless network. The method also includes receiving an uplink transmission from at least one station of the plurality of stations in response to sending the trigger frame. The method further includes determining uplink channel data based on the uplink transmission. The method also includes sending the uplink channel data to the at least one station. The uplink channel data is usable by the at least one station to send data to the access point. REFER TO FIGURE 1

No. of Pages : 41 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012748 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PRODUCTION METHOD FOR WOUND IRON CORES AND PRODUCTION DEVICE FOR WOUND IRON CORES

(51) International classification :H01F 41/02
(31) Priority Document No :2015-178484
(32) Priority Date :10/09/2015
(33) Name of priority country :Japan
(86) International Application No : PCT/JP2016/053807
Filing Date :09/02/2016
(87) International Publication No :WO 2017/043099 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SHIOTA, Hiromu
2)YAMAZAKI , Yoshinori
3)MASUDA, Tsuyoshi
4)SHIMOMURA, Eiji
5)ISHIKAWA, Yuji

(57) Abstract :
Abstract The present embodiment provides a wound-core production method for winding and laminating a plurality of pieces of core material which has at least one cut in each winding and thereby producing a wound core having a rectangular aperture in a central part, the wound-core production method comprising laminating the plurality of pieces of the cut core material while winding the core material into a shape of a rectangular frame using a winding device.

No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012749 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FLOW-PROPELLED ROTARY KNIFE

(51) International classification :B26D 1/02
(31) Priority Document No :62/217,519
(32) Priority Date :11/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/046183
Filing Date :09/08/2016
(87) International Publication No :WO 2017/044231 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)WALKER, David Bruce
2)NEEL, Allen J.

(57) Abstract :
ABSTRACT FLOW-PROPELLED ROTARY KNIFE A flow-propelled rotary knife system includes a housing (326) having an outlet end (330, 1230), a rotatable blade holder (332, 1232) disposed at the outlet end (330, 1230), and at least one blade (334, 700), having a twisted shape and extending diametrically across a central aperture (336, 1236) of the blade holder (332, 1232). Objects propelled along the fluid flow path in the flow direction (348) toward the outlet are helically cut by the rotating blade (334, 700). A system for cutting vegetable products comprises a water knife system including a water conduit (12) for transporting vegetable products in a water flow, and a cutting unit (22) positioned along the water conduit (12). A method for cutting spiral pieces of an object comprises providing a flow of water, introducing an object into the flow to be cut by a rotatable blade of a knife having a twisted propeller-like shape.

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012760 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : JET MILLING METHOD

(51) International classification :B02C 19/06
(31) Priority Document No :15184551.8
(32) Priority Date :09/09/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2016/071321
Filing Date :09/09/2016
(87) International Publication No :WO/2017/042341
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MANFORD, Fergus
2)GREEN, Matthew

(57) Abstract :
Systems and methods are disclosed for simultaneously jet milling and conditioning particulate material comprising a grinding chamber and an aerosol generator arranged to supply liquid aerosol into the grinding chamber. A composition made by this method is also disclosed. [FIGURE 1]

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013153 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : COMBINATION OF AN IL-2RBETA-SELECTIVE AGONIST AND A LONG-ACTING IL-15 AGONIST

(51) International classification :A61K38/00
(31) Priority Document No :62/239,207
(32) Priority Date :08/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/056088
Filing Date :07/10/2016
(87) International Publication No :WO 2017/062832 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CHARYCH, Deborah, H.
2)KIRK, Peter

(57) Abstract :
ABSTRACT COMBINATION OF AN IL-2RBETA-SELECTIVE AGONIST AND A LONG-ACTING IL-15 AGONIST In one or more embodiments of the invention, a method is provided, the method comprising the steps of administering to a cancer patient: (a) an IL-2Rβ-activating amount of a long-acting, IL-2Rβ-selective agonist; and (b) an IL-15R-activating amount of a long- acting, IL-15 moiety. In one or more embodiments of the invention, a composition is provided, the composition comprising: an IL-2Rβ-activating amount of a long-acting, IL-2Rβ-selective agonist; and an IL-15R-activating amount of a long-acting, IL-15 moiety. In one or more embodiments of the invention, a kit is provided, the kit comprising: an IL-2Rβ- activating amount of a long-acting, IL-2Rβ-selective agonist; an IL-15R-activating amount of a long-acting, IL-15 moiety; and instructions for use of the IL-2Rβ-selective agonist and the long-acting, IL-15 moiety.

No. of Pages : 31 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013154 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FASTENING DEVICE FOR A CABLE TERMINATION AND ARRANGEMENT COMPRISING FASTENING DEVICE AND CABLE TERMINATION

(51) International classification :H02G 15/007
(31) Priority Document No :15184766.2
(32) Priority Date :11/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/070354
Filing Date :30/08/2016
(87) International Publication No :WO/2017/042043
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LUNDBLAD, Anders

(57) Abstract :
Fastening device for a cable termination and arrangement comprising fastening device and cable termination Abstract A fastening device (10) is provided for fastening of a cable termination (30) to a bracket (40). The fastening device (10) comprises a flange (11) for attachment to the cable termination (30), the flange (11) comprising a circumferentially extending groove (12); and one or more attachment members (13a, 13b, 13c) for fastening the fastening device (10) to the bracket (40), each of the one or more attachment members (13a, 13b, 13c) being arranged such as to be slidable along the circumferentially extending groove (12). An arrangement (50) comprising a cable termination (30) and a fastening device (10) is also provided. (Figure 3)

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018
(21) Application No.201847013170 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR DETECTING SENSITIVE INFORMATION LEAKAGE WHILE PRESERVING PRIVACY

(51) International classification	:G06F 21/60 (2013.01)
(31) Priority Document No	:15/004,586
(32) Priority Date	:22/01/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/067847 :20/12/2016
(87) International Publication No	:WO/2017/127207
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MEDVEDEV, Ivan

(57) Abstract :
Privacy-preserving data loss detection, including a sweep of online information for a candidate data leakage to generate an online data set; analyzing the online data set to determine that the online information is candidate data leakage; the host encrypting the data communication and providing the host-encrypted data communication to a software agent at the enterprise; in response to receiving the host-encrypted data communication, the software agent encrypting a database of enterprise information and re-encrypting the host-encrypted data communication, and providing the same to the host; the host decrypting a host-encrypted aspect of the re-encrypted data communication to generate a software agent-encrypted data communication; determining whether a match exists between the encrypted database of information and the software agent-encrypted data communication; and based on whether the match exists, the software agent taking a first action or the host taking a second action. [Figure 2]

No. of Pages : 58 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013172 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LIGHT EMITTING DEVICE

(51) International classification	:H01S 5/183 (2006.01)
(31) Priority Document No	:15187849.3
(32) Priority Date	:01/10/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/072498 :22/09/2016
(87) International Publication No	:WO/2017/055160
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)GRONENBORN, Stephan
2)MILLER, Michael
3)DANNBERG, Peter
4)SCHUERMANN, Mark
5)MOENCH, Holger

(57) Abstract :
The invention describes a light emitting device (100). The light emitting device (100) comprises at least one light emitting structure (110), at least one processing layer (120) and at least one optical structure (130). The optical structure (130) comprises at least one material processed by means of processing light (150). The at least one processing layer (120) is arranged to reduce reflection of the processing light (150) ina direction of the optical structure (130) at least by 50%, preferably at least by 80%, more preferably at least by 95% and most preferably at least by 99% during processing of the material by means of the processing light (150). It is a basic idea of thepresent invention to incorporate a non-or low- reflective processing layer (120) on top of a light emitting structure (110) like a VCSEL array in order to enable on wafer processing of light emitting structures (130) like microlens arrays. The invention further describes a method of manufacturing such a light emitting device (100).

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013173 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : HUB FOR DEVICE NAVIGATION WITH OPTICAL SHAPE SENSED GUIDEWIRE

(51) International classification :A61B 5/06 (2006.01)
(31) Priority Document No :62/236172
(32) Priority Date :02/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/073529
Filing Date :02/10/2016
(87) International Publication No :WO/2017/055620
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)DENISSEN, Sander Hans
7)VAN PUTTEN, Eibert Gerjan

(57) Abstract :
A hub for an optical shape sensing reference includes a hub body (606) configured to receive an elongated flexible instrument (622) with a shape sensing system coupled to the flexible instrument within a path formed in the hub body. A profile (630) is formed in the hub body in the path to impart a hub template configured to distinguish a portion of the elongated flexible instrument within the hub in shape sensing data. An attachment mechanism (616) is formed on the hub body to detachably connect the hub body to a deployable instrument such that a change in a position of the hub body indicates a corresponding change in the deployable device.

No. of Pages : 56 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013176 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ENERGY CONVERSION SYSTEM AND METHOD

(51) International classification :B60K25/00
(31) Priority Document No :5188344.4
(32) Priority Date :05/10/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/073691
Filing Date :04/10/2016
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)JOHNSON, Mark Thomas
3)KROES, Hans
4)GERHARDT, Lutz Christian
5)VAN LIEROP, Michael Maria Johannes

(57) Abstract :
ABSTRACT: An energy conversion System comprises a generator which generates electrical power in response to movement, wherein the generator comprises first and second elements which generate energy in an energy generation mode. In some examples, these can be brought into and out of contact with each other by a drive mechanism so that the energy conversion System has an intermittent charging mode in which the first and second elements are brought into contact by the drive mechanism and an energy generation mode in which the first and second elements are out of contact. The relative speed, the spacing between, or the relative orientations or positions of the first and second elements are controlled during the energy generation mode to decrease the Variation in Output power or voltage of the generator. This System controls the physical positions or the motion of the elements of the generator during the energy generation mode in order to implement a more constant power or voltage generation. This enables any required power conversion circuitry to be simplified.

No. of Pages : 41 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013177 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : APPARATUS FOR CHARACTERIZATION OF A FEATURE OF A BODY PART

(51) International classification :A61B 6/02
(31) Priority Document No :5188345.1
(32) Priority Date :05/10/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/073027
Filing Date :28/09/2016
(87) International Publication No :WO/2017/060133
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT: The present invention relates to an apparatus for characterization of a feature in a body pari. It is describe to provide (210) tomosynthesis medical data comprising a plurality of images of the body part, wherein the plurality of images comprise image data associated with a plurality of rays of radiation that have passed through the body part, wherein the image data comprises spectral data associated with at least two photon energy levels of the plurality of rays of radiation, wherein the medical data comprises data of the feature. A delineated boundary of the feature is determined (220). At least one material composition of the body part inside the delineated boundaiy is determined (240) comprising a function of the spectral data inside the delineated boundary. The feature is characterised 1 (250) as a function of the at least one material composition inside the delineated boundary of the feature. Data representative of the feature is Output (260).

No. of Pages : 45 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013179 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PERFORATED NON-WOVEN FABRIC AND PRODUCTION METHOD THEREOF

(51) International classification :A61F 13/512
(31) Priority Document No :201610148875.5
(32) Priority Date :16/03/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/094311
Filing Date :10/08/2016
(87) International Publication No :WO/2017/156969
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1) XIE, Jihua
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(57) Abstract :
Provided are a perforated non-woven fabric (1) and a production method thereof. The perforated non-woven fabric is formed by overlapping three-dimensional funnel-shaped openings (C, D) of two perforated non-woven fabric layers (11, 12). The first perforated non-woven fabric layer (11) has a protruding portion (B) and a recessed portion (A). The protruding portion (B) has an internal space (E). An upper side of the second perforated non-woven fabric layer (12) is adhered to a lower side of the recessed portion (A) of the first perforated non-woven fabric layer (11). The overlapped three-dimensional funnel-shaped openings (C, D) pass through the first perforated non-woven fabric layer (11) and the second perforated non-woven fabric layer (12). An air flow passage is formed between continuous internal spaces of the protruding portions (B) of the first perforated non-woven fabric layer (11) and the second perforated non-woven fabric layer (12) and serves as a penetration passage for the non-woven fabric, thereby facilitating penetration of liquid and soft feces, reducing residues, enabling internal and external air flow circulation, and reducing discomfort from wetness. In a processing process, a puncturing process employing a pin point is performed to tightly attach the first perforated non-woven fabric layer to a convex roller (N), thereby effectively preventing dislocation of the two non-woven fabric layers during a joining process, simplifying the process, and reducing manufacturing costs.

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013218 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PHASE DETECTION AUTOFOCUS NOISE REDUCTION

(51) International classification :H04N 5/232
(31) Priority Document No :14/865,503
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/048378
Filing Date :24/08/2016
(87) International Publication No :WO/2017/052918
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)LEE, Jisoo

(57) Abstract :
Certain aspects relate to systems and techniques for using imaging pixels (that is, non-phase detection pixels) for performing noise reduction on phase detection autofocus. Advantageously, this can provide for more accurate phase detection autofocus and also to optimized processor usage for performing phase detection. The phase difference detection pixels are provided to obtain a phase difference detection signal indicating a shift direction (defocus direction) and a shift amount (defocus amount) of image focus, and analysis of imaging pixel values can be used to estimate a level of focus of an in-focus region of interest and to limit the identified phase difference accordingly. REFER TO FIGURE 4A

No. of Pages : 47 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013219 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR PERFORMING AUTOMATIC ZOOM

(51) International classification :H04N 5/232
(31) Priority Document No :62/233,594
(32) Priority Date :28/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/045838
Filing Date :05/08/2016
(87) International Publication No :WO/2017/058362
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ZHONG, Xin
4)QI, Yingyong

(57) Abstract :
An electronic device is described. The electronic device includes a processor. The processor is configured to obtain a plurality of images. The processor is also configured to obtain global motion information indicating global motion between at least two of the plurality of images. The processor is further configured to obtain object tracking information indicating motion of a tracked object between the at least two of the plurality of images. The processor is additionally configured to perform automatic zoom based on the global motion information and the object tracking information. Performing automatic zoom produces a zoom region including the tracked object. The processor is configured to determine a motion response speed for the zoom region based on a location of the tracked object within the zoom region. REFER TO FIGURE 2

No. of Pages : 49 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013220 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DELTA QP FOR QUANTIZATION OF RECTANGULAR TRANSFORM UNITS, SHORT DISTANCE INTRA PREDICTION (SDIP) BASED VIDEO CODING

(51) International classification :H04N 19/119
(31) Priority Document No :62/234,589
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/054397
Filing Date :29/09/2016
(87) International Publication No :WO/2017/059044
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ZHANG, Li
4)CHEN, Jianle
5)KARCZEWICZ, Marta

(57) Abstract :
DELTA QP FOR QUANTIZATION OF RECTANGULAR TRANSFORM UNITS, SHORT DISTANCE INTRA PREDICTION (SDIP) BASED VIDEO CODING An example device includes a memory device configured to store encoded video data, and processing circuitry coupled to the memory device. The processing circuitry is configured to determine that a rectangular transform unit (TU) of the stored video data includes a number of pixel rows denoted by a first integer value K and a number of pixel columns denoted by a second integer value L, where K has a value equal to an integer value m left shifted by one, and where L has a value equal to an integer value n left shifted by one, to determine that a sum of n and m is an odd number, and based on the sum of n and m being the odd number, to add a delta quantization parameter value to a quantization parameter (QP) value for the rectangular TU to obtain a modified QP value for the rectangular TU.

No. of Pages : 84 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013221 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NON-SEPARABLE SECONDARY TRANSFORM FOR VIDEO CODING WITH REORGANIZING

(51) International classification :H04N 19/159
(31) Priority Document No :62/234,644
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052935
Filing Date :21/09/2016
(87) International Publication No :WO2017/058615
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)SAID, Amir
4)KARCZEWICZ, Marta
5)SEREGIN, Vadim

(57) Abstract :
ABSTRACT NON-SEPARABLE SECONDARY TRANSFORM FOR VIDEO CODING WITH REORGANIZING Techniques are described in which a decoder is configured to reorganize a first 2-dimensional coefficient block as a first 1-dimensional coefficient vector according to a coefficient scanning order and apply a first inverse transform to the first 1-dimensional coefficient vector to generate a second 1-dimensional coefficient vector. The first inverse transform is a non-separable transform. The decoder is further configured to reorganize the first 1-dimensional coefficient vector as a second 2-dimensional coefficient block and apply a second inverse transform to the second 2-dimensional coefficient block to generate a residual video block. The second inverse transform converts the second 2-dimensional coefficient block from a frequency domain to a pixel domain. The decoder is further configured to form a decoded video block, wherein forming the decoded video block comprises summing the residual video block with one or more predictive blocks.

No. of Pages : 103 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201848012794 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR PRODUCING AN ANTI-HER2 ANTIBODY

(51) International classification :G01N 33/541
(31) Priority Document No :09012460.3
(32) Priority Date :01/10/2009
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2010/064487
Filing Date :29/09/2010
(87) International Publication No :WO/2011/039274
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :2843/CHENP/2012
Filed on :29/09/2010

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2)SCHWENDNER, Klaus

(57) Abstract :
This invention relates to a method for producing an anti-HER2 antibody comprising the following steps a) providing a cell comprising a nucleic acid encoding the anti-HER2 antibody, b) cultivating the cell, c) recovering the anti-HER2 antibody from the cell or the cultivation medium, d) adding a sugar, an amino acid and a detergent to the solution, e) concentrating the anti-HER2 antibody solution to a concentration of 125 g/l or more with a method selected from diafiltration or tangential-flow filtration, and f) applying the anti-HER2 antibody solution of the previous step to a multistep filtration unit, and thereby producing an anti-HER2 antibody.

No. of Pages : 33 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201848012854 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PHLEGMATIZED METAL POWDER OR ALLOY POWDER AND METHOD FOR THE PRODUCTION THEREOF

(51) International classification :B22F9/00
(31) Priority Document No :10 2008 005 781.9
(32) Priority Date :23/01/2008
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2009/050163
Filing Date :08/01/2009
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :4472/CHENP/2010
Filed on :16/07/2010

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1)BAUDIS, Ulrich Gerhard

(57) Abstract :
Phlegmatized metal powder or alloy powder and method for the production thereof are described the metal powder or allow powder is of a moderate grain sizes less than 10 µm, comprising or containing at least one of the reactive metals, zirconium, titanium, or hafnium, by metallothermic reduction of oxides or halogenides of the cited reactive metals with the aid of a reducing metal, wherein said metal powder or allow powder is phlegmatized by adding a passivating gas or gas mixture of the oxides or halogenides and/or is phlegmatized by adding a passivating solid before the reduction of the oxides or halogenides wherein both said reduction and also said phlegmatization are performed in a single gas - tight reaction vessel which can be evacuated.

No. of Pages : 40 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018
(21) Application No.201848012973 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ROLLER-TYPE ONE-WAY CLUTCH

(51) International classification :F16D 41/06
(31) Priority Document No :2008-045919
(32) Priority Date :27/02/2008
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2008/056264
Filing Date :25/03/2018
(87) International Publication No :WO/2009/107251
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :3009/CHENP/2010
Filed on :25/03/2008

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2)OKUMA, Shinya
3)ANDO, Tomoharu

(57) Abstract :
The roller type one-way clutch (30) has an outer race (1) and an inner race (2) spaced apart from outer race (1) and disposed coaxially with the outer race (1) for a relative rotational movement. A set of rollers (3) disposed within the pockets (4) to be engaged with the cam surfaces (12) and adapted to transmit torque between the outer race (1) and the inner race (2). A holder (6) having a cylindrical portion (10) and windows (18) provided in the cylindrical portion (10) to hold the plurality of rollers (3); and springs (5) disposed within the pockets (4) between the outer race (1) and the inner race (2) and adapted to bias the rollers (3) to be engaged with the cam surfaces (12); and one end (15) of the springs (5) is locked to an axial end face of the outer race (1). The other end (16) of the springs (5) is pinched between an axial end face of the rollers (3) and a flange portion (17) of the holder (6). [Figure 1]

No. of Pages : 30 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201848012974 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING VIDEO BY COMPENSATING FOR PIXEL VALUE ACCORDING TO PIXEL GROUPS, AND METHOD AND APPARATUS FOR DECODING VIDEO BY THE SAME •

(51) International classification :H04N 7/24
(31) Priority Document No :10-2010-0031143
(32) Priority Date :05/04/2010
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2011/002373
Filing Date :05/04/2011
(87) International Publication No :WO/2011/126273
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9227/CHENP/2012
Filed on :30/10/2012

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3)SHLYAKHOV, Nikolay

(57) Abstract :
ABSTRACT METHOD AND APPARATUS FOR ENCODING VIDEO BY COMPENSATING FOR PIXEL VALUE ACCORDING TO PIXEL GROUPS, AND METHOD AND APPARATUS FOR DECODING VIDEO BY THE SAME • A method and apparatus of encoding and decoding a video by compensating for a pixel value are provided, the method of encoding the video includes: encoding image data; decoding the encoded image data and generating a restored image by performing loop filtering on the decoded image data; determining a compensation value corresponding to errors between a predetermined group restored pixels in the restored image and corresponding original pixels, and a pixel group including a restored pixel to be compensated for by using the compensation value; and encoding the compensation value and transmitting the encoded compensation value and a bitstream of the encoded image data.

No. of Pages : 73 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201848013010 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TEXTILES AND METHODS AND SYSTEMS FOR PRODUCING TEXTILES

(51) International classification :D03D 15/00
(31) Priority Document No :61/049,394
(32) Priority Date :30/04/2008
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2009/041901
Filing Date :28/04/2009
(87) International Publication No :WO/2009/134749
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :7574/CHENP/2010
Filed on :28/04/2009

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1)MEDOFF, Marshall

(57) Abstract :
Textiles are provided that include fibrous cellulosic materials having an a-cellulose content of less than about 93%, the fibrous materials being spun, woven, knitted, or entangled. The fibrous cellulosic materials can be irradiated with a dose of ionizing radiation that is sufficient to increase the molecular weight of the cellulosic materials without causing significant depolymerization of the cellulosic materials. Methods of treating textiles that include irradiating the textiles are also provided.

No. of Pages : 63 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201848013396 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VIDEO ENCODING METHOD AND VIDEO ENCODING APPARATUS AND VIDEO DECODING METHOD AND VIDEO DECODING APPARATUS, WHICH PERFORM DEBLOCKING FILTERING BASED ON TREE-STRUCTURE ENCODING UNITS •

(51) International classification :H04N 7/26
(31) Priority Document No :61/323,449
(32) Priority Date :13/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/002647
Filing Date :13/04/2011
(87) International Publication No :WO/2011/129619
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9528/CHENP/2012
Filed on :08/11/2012

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4)ALSHIN, Alexander
5)KIM, Il-Koo
6)SHLYAKHOV, Nikolay
7)LEE, Tammy
8)LEE, Sun-Il
9)CHEON, Min-Su
10)CHEN, Jianle
11)SEREGIN, Vadim
12)HONG, Yoon-Mi

(57) Abstract :
ABSTRACT VIDEO ENCODING METHOD AND VIDEO ENCODING APPARATUS AND VIDEO DECODING METHOD AND VIDEO DECODING APPARATUS, WHICH PERFORM DEBLOCKING FILTERING BASED ON TREE-STRUCTURE ENCODING UNITS Disclosed is a video encoding method which involves performing deblocking filtering based on encoding units. The method of the present invention involves: determining a filtering boundary for which deblocking filtering is to be performed on the basis of at least one data unit of encoding units hierarchically configured in accordance with the depth which indicates the number of spatial partitions performed on a maximum encoding unit, prediction units for prediction of the encoding units, and transformation units for transformation of the encoding units; determining a filtering strength at the filtering boundary on the basis of a prediction mode of an encoding unit to which pixels adjacent to the determined filtering boundary belong and on the basis of transform coefficient values of pixels adjacent to the filtering boundary; and performing deblocking filtering on the basis of the determined filtering strength.

No. of Pages : 55 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201848013400 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VIDEO ENCODING METHOD AND VIDEO ENCODING APPARATUS AND VIDEO DECODING METHOD AND VIDEO DECODING APPARATUS, WHICH PERFORM DEBLOCKING FILTERING BASED ON TREE-STRUCTURE ENCODING UNITS •

(51) International classification :H04N 7/26
(31) Priority Document No :61/323,449
(32) Priority Date :13/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/002647
Filing Date :13/04/2011
(87) International Publication No :WO/2011/129619
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9528/CHENP/2012
Filed on :08/11/2012

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(57) Abstract :
Disclosed is a video encoding method which involves performing deblocking filtering based on encoding units. The method of the present invention involves: determining a filtering boundary for which deblocking filtering is to be performed on the basis of at least one data unit of encoding units hierarchically configured in accordance with the depth which indicates the number of spatial partitions performed on a maximum encoding unit, prediction units for prediction of the encoding units, and transformation units for transformation of the encoding units; determining a filtering strength at the filtering boundary on the basis of a prediction mode of an encoding unit to which pixels adjacent to the determined filtering boundary belong and on the basis of transform coefficient values of pixels adjacent to the filtering boundary; and performing deblocking filtering on the basis of the determined filtering strength.

No. of Pages : 55 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/04/2018

(21) Application No.201848013423 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : VIDEO ENCODING METHOD AND VIDEO ENCODING APPARATUS AND VIDEO DECODING METHOD AND VIDEO DECODING APPARATUS, WHICH PERFORM DEBLOCKING FILTERING BASED ON TREE-STRUCTURE ENCODING UNITS •

(51) International classification :H04N 7/26
(31) Priority Document No :61/323,449
(32) Priority Date :13/04/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/KR2011/002647
Filing Date :13/04/2011
(87) International Publication No :WO/2011/129619
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :9528/CHENP/2012
Filed on :08/11/2012

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5)KIM, Il-Koo
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12)HONG, Yoon-Mi

(57) Abstract :
ABSTRACT VIDEO ENCODING METHOD AND VIDEO ENCODING APPARATUS AND VIDEO DECODING METHOD AND VIDEO DECODING APPARATUS, WHICH PERFORM DEBLOCKING FILTERING BASED ON TREE-STRUCTURE ENCODING UNITS • Disclosed is a video encoding method which involves performing deblocking filtering based on encoding units. The method of the present invention involves: determining a filtering boundary for which deblocking filtering is to be performed on the basis of at least one data unit of encoding units hierarchically configured in accordance with the depth which indicates the number of spatial partitions performed on a maximum encoding unit, prediction units for prediction of the encoding units, and transformation units for transformation of the encoding units; determining a filtering strength at the filtering boundary on the basis of a prediction mode of an encoding unit to which pixels adjacent to the determined filtering boundary belong and on the basis of transform coefficient values of pixels adjacent to the filtering boundary; and performing deblocking filtering on the basis of the determined filtering strength.

No. of Pages : 70 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012941 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD OF GENERATING FUZZY KNOWLEDGE BASE FOR A PROGRAMMABLE FUZZY CONTROLLER

(51) International classification :G05B13/02,G06N5/04
(31) Priority Document No :14/850,211
(32) Priority Date :10/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/BR2016/050226
Filing Date :09/09/2016
(87) International Publication No :WO 2017/041158
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)DA SILVA Ronaldo Antonio
3)LAVIGNE HALLA Danilo

(57) Abstract :
A method of generating the knowledge base used for a programmable fuzzy controller comprising the steps of determining the relevant input and output 5 variables to be controlled; creating artificial potential fields for each of said variables; sampling each of said potential fields in order to generate fuzzy membership functions; compiling said fuzzy membership functions into fuzzy sets; and mapping inputs fuzzy set to output fuzzy sets through a rule base. The relevant input and output variables are including: minimum maximum 0 and equilibrium values; an importance weight; a non linearity value; a control direction; and information as to whether said variable is an input or output variable. Further provided is a programmable fuzzy controller whose fuzzy knowledge base is obtained by the method described.

No. of Pages : 47 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012948 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BISPECIFIC ANTIBODIES WITH TETRAVALENCY FOR A COSTIMULATORY TNF RECEPTOR

(51) International classification :C07K16/28,C07K16/30,C07K16/40
(31) Priority Document No :15188809.6
(32) Priority Date :07/10/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/073198
Filing Date :29/09/2016
(87) International Publication No :WO 2017/060144
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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9)MOSER, Samuel
10)UMANA, Pablo

(57) Abstract :
The invention relates to novel bispecific antigen binding molecules comprising (a) four moities capable of specific binding to a costimulatory TNF receptor family member (b) at least one moiety capable of specific binding to a target cell antigen and (c) a Fc domain composed of a first and a second subunit capable of stable association and to methods of producing these molecules and to methods of using the same.

No. of Pages : 369 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012949 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ELECTRICAL MACHINE WITH RESONANT CIRCUIT IN SHAFT GROUNDING

(51) International classification :H02K11/40,H02P31/00,H02P29/00
(31) Priority Document No :15188912.8
(32) Priority Date :08/10/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/073635
Filing Date :04/10/2016
(87) International Publication No :WO 2017/060218
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)PINTO, Cajetan
4)V„NSK„, Klaus

(57) Abstract :
A method for preventing at least one frequency component of a voltage from occurring in an electrical machine (10) comprises the steps of: obtaining either by measuring a voltage signal or a current signal from the electrical machine (10) in time domain and transforming the measured signal into frequency domain by simulating the electrical machine (10) or by deducing from operation settings of an inverter (20) a first frequency component present in the electrical machine (10) in absence of a grounding (180 230 250) the first frequency component representing a first undesired frequency higher than a limit frequency of 500 Hz; and providing the electrical machine (10) with a first grounding (180) at a grounding location (260) the first grounding (180) comprising a resonant circuit (190 240) resonating at the first undesired frequency. In order to get rid of harmful shaft voltages in the form of sharp voltage peaks at high frequencies it is first necessary to determine at which undesired frequency or frequencies these voltage peaks occur.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012969 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR PRODUCING KIDNEY PROGENITOR CELLS

(51) International classification :C12N5/071,A61K35/22,C12N5/10
(31) Priority Document No :2015179104
(32) Priority Date :11/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/077353
Filing Date :09/09/2016
(87) International Publication No :WO 2017/043666
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)YAMAGISHI, Yukiko
3)OSAFUNE, Kenji

(57) Abstract :
The present invention addresses the problem of providing a method for acquiring and producing kidney progenitor cells having a high degree of purity from a cell population obtained by inducing differentiation of pluripotent stem cells into kidney progenitor cells by identifying a kidney progenitor specific cell surface antigen marker. A method for preparing kidney progenitor cells obtained by inducing differentiation of pluripotent stem cells which includes: (i) a step for cultivating pluripotent stem cells under conditions that induce differentiation into kidney progenitor cells; and (ii) a step for sorting a cell population from the cells obtained in step (i) by using at least one cell surface marker selected from the group consisting of CD9( ) CD55( ) CD106(+) CD140a(+) CD140b(+) CD165(+) CD271(+) and CD326( ).

No. of Pages : 35 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013585 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STABLE INOCULANT COMPOSITIONS AND METHODS FOR PRODUCING SAME

(51) International classification :A01N63/02,A01N25/28,A01N25/00
(31) Priority Document No :62/217250
(32) Priority Date :11/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050529
Filing Date :07/09/2016
(87) International Publication No :WO 2017/044473
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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11)GREENSHIELDS, Dave
12)WOODS, Kristi

(57) Abstract :
The present disclosure provides stable inoculant compositions and methods for enhancing the survival and/or stability of microorganisms in an inoculant composition. In some embodiments, the microorganisms in an inoculant compositions are stabilized by the presence of one or more maltodextrins having a dextrose equivalent value of about 15 to about 20.

No. of Pages : 151 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013586 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : STABLE INOCULANT COMPOSITIONS AND METHODS FOR PRODUCING SAME

(51) International classification :A01C1/06,C12N1/04,C12N11/10
(31) Priority Document No :62/217,250
(32) Priority Date :11/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050647
Filing Date :08/09/2016
(87) International Publication No :WO 2017/044545
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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12)WOODS, Kristi

(57) Abstract :
The present disclosure provides non-aqueous inoculant compositions and methods for enhancing the survival and/or stability of microbial spores in an inoculant composition. In some embodiments, inoculant compositions of the present disclosure comprise microbial spores, one or more dispersants, one or more dust suppressants and a solid non-aqueous carrier.

No. of Pages : 110 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013587 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A SWITCHING DEVICE OF THE WITHDRAWABLE TYPE

(51) International classification :H02B 11/24
(31) Priority Document No :15185048.4
(32) Priority Date :14/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/068688
Filing Date :04/08/2016
(87) International Publication No :WO/2017/045838
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
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2)CORTINOVIS, Gianluca
3)MORICONI, Giorgio

(57) Abstract :
ABSTRACT A SWITCHING DEVICE OF THE WITHDRAWABLE TYPE A switching device (100) comprising: - a switching unit (2) comprising one or more electric poles (21 A, 2IB, 21C) having an insulating casing (22), said switching device being reversibly movable between an insertion position (A), at which said switching unit is electrically connected with an electric line (150), and a withdrawal position (B), at which said switching unit is electrically disconnected from said electric line (150); - one or more actuating elements (7A, 7B) operatively coupleable with an actuating mechanism (401) of a shutter device (400) to operate one or more shutters (402) of said shutter device during the movement of said switching device, said actuating elements being fixed to said switching unit. At least one of said actuating elements comprises first mechanical connection means (71) for mechanical connection with the insulating casing of at least one of said electric poles; The insulating casing of at least one of said electric poles comprises second mechanical connection means (220) for mechanical connection with at least one of said actuating elements. [FIGURE 1]

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018
(21) Application No.201847013588 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : REPUTATION SYSTEMS IN RIDE SHARE PLATFORMS

(51) International classification :G06Q 30/02
(31) Priority Document No :14/990,036
(32) Priority Date :07/01/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/066579
Filing Date :14/12/2016
(87) International Publication No :WO/2017/120001
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT REPUTATION SYSTEMS IN RIDE SHARE PLATFORMS Systems and methods for implementing a ride share platform are provided. One example method includes obtaining a passenger reputation score associated with a passenger requesting a ride. The method includes determining a ride price for the requested ride based at least in part on the passenger reputation score. One example system includes one or more dispatch server computing devices that adjust a base compensation for a candidate driver to provide a ride to a passenger based at least in part on a driver reputation score. The example system communicates an offer to a mobile computing device operated by the candidate driver. The offer enables the candidate driver to assent to or decline to provide the ride to the passenger for the adjusted compensation. Another example system determines a priority order for offering candidate drivers based on value indices that have been adjusted according to candidate driver reputation. [Figure 4]

No. of Pages : 53 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018
(21) Application No.201847013589 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LITHOGRAPHIC PRINTING INK, VARNISH FOR LITHOGRAPHIC INKS, AND METHOD FOR PRODUCING PRINTED MATTER USING SAID INK

(51) International classification :C09D 11/101
(31) Priority Document No :2015-183613
(32) Priority Date :17/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/077750
Filing Date :20/09/2016
(87) International Publication No :WO/2017/047817
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Abstract A lithographic ink which has a highly sensitive curability for active energy beam simultaneously with a high washabihty with water, and which also has excellent resistance to surface staining in the printing and high water resistance of the cured film is provided. Also provided are a varnish for such lithographic ink and a method for producing printed material. The lithographic ink comprises (a) a pigment and (b) a resin having an ethylenically unsaturated group and a hydrophilic group, and it has a highly sensitive curability for active energy beam simultaneously with a high washabihty with water, and also, excellent resistance to surface staining in the printing and high water resistance of the cured film. [Drawing Selected] None

No. of Pages : 73 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013591 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NEGATIVE TYPE COLORING PHOTOSENSITIVE RESIN COMPOSITION, CURED FILM, ELEMENT, AND DISPLAY DEVICE

(51) International classification :G03F 7/037
(31) Priority Document No :2015-193003
(32) Priority Date :30/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/077876
Filing Date :21/09/2016
(87) International Publication No :WO/2017/057143
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)MIYOSHI, Kazuto

(57) Abstract :
The present invention provides a negative type colored photosensitive resin composition that serves to produce a cured film having a forward tapered shape. This negative type colored photosensitive resin composition includes an alkali-soluble resin (A), a photo initiator (B), a photo polymerizable compound (C), and a coloring agent (D), the alkali-soluble resin (A) containing a polyimide precursor, polybenzoxazole precursor, and/or a copolymer thereof (A-1), each resin (A-1) having a trifluoromethyl group in the backbone chain.

No. of Pages : 78 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013598 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : RESIN MOLDING METHOD AND RESIN MOLDING DEVICE

(51) International classification :B29C 51/04
(31) Priority Document No :2015-184422
(32) Priority Date :17/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/076912
Filing Date :13/09/2016
(87) International Publication No :WO/2017/047564
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)MASUDA,Hisashi

(57) Abstract :
A resin sheet material 2 in a state of being stretched in a longitudinal direction is held by a stretching and bending mechanism 3, and heated and softened by a heating unit 5. The softened resin sheet material 2 is stretched by pulling the ends in the longitudinal direction and ends in a transverse direction of the resin sheet material by the stretching and bending mechanism 3. The stretched resin sheet material 2 is bent by the stretching and bending mechanism 3, and molded by vacuum forming by a resin molding unit 6.

No. of Pages : 34 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013599 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PRECODING OVER A BEAM SUBSET

(51) International classification	:H04B 7/06 (2006.01)
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/EP2015/071246 :16/09/2015
(87) International Publication No	:WO/2017/045713
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)SEIFI, Nima
3)WERNERSSON, Niklas

(57) Abstract :
There is provided mechanisms for precoding over a beam subset. A method is performed by a network node. The method comprises exchanging reference signal information for a set of transmission beams or set of antenna ports with a wireless device. The method comprises acquiring, based on the reference signal information, information regarding which proper subset of transmission beams from the set of transmission beams to use for communication with the wireless device. The method comprises determining precoding weights for the proper subset of transmission beams or antenna ports based on the reference signal information [FIGURE 4]

No. of Pages : 51 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013608 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FLEXIBLE TRANSFORM TREE STRUCTURE IN VIDEO CODING •

(51) International classification :H04N 19/105
(31) Priority Document No :62/260,103
(32) Priority Date :25/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/063680
Filing Date :23/11/2016
(87) International Publication No :WO/2017/091776
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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5)CHIEN, Wei-Jung
6)ZHAO, Xin
7)LI, Xiang
8)KARCZEWICZ, Marta

(57) Abstract :
ABSTRACT FLEXIBLE TRANSFORM TREE STRUCTURE IN VIDEO CODING • A video coder determines a coding unit (CU) is partitioned into transform units (TUs) of the CU based on a tree structure. As part of determining the CU is partitioned into the TUs of the CU based on the tree structure, the video coder determines that a node in the tree structure has exactly two child nodes in the tree structure. A root node of the tree structure corresponds to a coding block of the CU, each respective non-root node of the tree structure corresponds to a respective block that is a partition of a block that corresponds to a parent node of the respective non-root node, and leaf nodes of the tree structure correspond to the TUs of the CU.

No. of Pages : 166 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013609 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PHYSICAL LAYER SIGNALING FOR DIFFERENT UE GROUPS ON DIFFERENT PHYSICAL RESOURCES

(51) International classification :H04W 72/04
(31) Priority Document No :62/255,394
(32) Priority Date :14/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/061419
Filing Date :10/11/2016
(87) International Publication No :WO/2017/083577
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LUO, Tao
3)GAAL, Peter

(57) Abstract :
ABSTRACT PHYSICAL LAYER SIGNALING FOR DIFFERENT UE GROUPS ON DIFFERENT PHYSICAL RESOURCES • Techniques are provided that enable signaling of physical layer parameters in a shared radio frequency spectrum band or a dedicated radio frequency spectrum band (or any available radio frequency spectrum band). One or more physical layer channels may be used to transmit physical layer parameters, and different portions of the channel(s) may carry physical layer information for different groups of UEs. A base station may configure a UE into a UE group that monitors particular channel resources based on the UE group. In this manner, a base station may transmit physical layer parameters that may be received by a UE for receiving wireless communications for one or more subframe. A base station may transmit physical layer parameters to be monitored by the use using a physical hybrid automatic repeat request (HARQ) indicator channel (PHICH), a physical control format indicator channel (PCFICH), a physical downlink control channel (PDCCH), or combinations thereof. [Figure 5]

No. of Pages : 72 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018
(21) Application No.201847013223 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PHASE DETECTION AUTOFOCUS ARITHMETIC

(51) International classification	:H04N 5/232 (2006.01)
(31) Priority Document No	:14/865,629
(32) Priority Date	:25/09/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/048414 :24/08/2016
(87) International Publication No	:WO2017/052923
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)VELARDE, Ruben Manuel
3)LEE, Jisoo

(57) Abstract :
ABSTRACT PHASE DETECTION AUTOFOCUS ARITHMETIC Certain aspects relate to systems and techniques for using imaging pixels (that is, non-phase detection pixels) in addition to phase detection pixels for calculating autofocus information. Imaging pixel values can be used to interpolate a value at a phase detection pixel location. The interpolated value and a value received from the phase difference detection pixel can be used to obtain a virtual phase detection pixel value. The interpolated value, value received from the phase difference detection pixel, and the virtual phase detection pixel value can be used to obtain a phase difference detection signal indicating a shift direction (defocus direction) and a shift amount (defocus amount) of image focus.

No. of Pages : 49 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013225 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NON-SEPARABLE SECONDARY TRANSFORM FOR VIDEO CODING

(51) International classification :H04N 19/159
(31) Priority Document No :62/234,644
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052926
Filing Date :21/09/2016
(87) International Publication No :WO2017/058614
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ZHAO, Xin
2)CHEN, Jianle
3)SAID, Amir
4)KARCZEWICZ, Marta
5)SEREGIN, Vadim

(57) Abstract :
ABSTRACT NON-SEPARABLE SECONDARY TRANSFORM FOR VIDEO CODING Techniques are described in which a decoder is configured to inverse quantize a first coefficient block and apply a first inverse transform to at least part of the inverse quantized first coefficient block to generate a second coefficient block. The first inverse transform is a non-separable transform. The decoder is further configured to apply a second inverse transform to the second coefficient block to generate a residual video block. The second inverse transform converts the second coefficient block from a frequency domain to a pixel domain. The decoder is further configured to form a decoded video block, wherein forming the decoded video block comprises summing the residual video block with one or more predictive blocks. REFER TO FIGURE 11

No. of Pages : 98 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013226 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : IMPROVED BI-DIRECTIONAL OPTICAL FLOW FOR VIDEO CODING

(51) International classification :H04N 19/132
(31) Priority Document No :62/233,846
(32) Priority Date :28/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/054158
Filing Date :28/09/2016
(87) International Publication No :WO2017/058899
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)LI, Xiang
2)CHEN, Jianle
3)CHIEN, Wei-Jung
4)KARCZEWICZ, Marta

(57) Abstract :
IMPROVED BI-DIRECTIONAL OPTICAL FLOW FOR VIDEO CODING An example device for decoding video data includes a processor configured to decode first and second reference pictures, wherein the first reference picture and the second reference picture are either both to be displayed before or after the current picture, determine a first motion vector (MVo) from a current block of the current picture to a first reference block of the first reference picture, determine a second motion vector (MVi) from the current block to a second reference block of the second reference picture, determine a first temporal distance (TDo) from the current picture to the first reference picture, determine a second temporal distance (TDi) from the current picture to the second reference picture, and decode the current block according to bi-directional optical flow (BIO) using MVo, MVi, TDo, and TDi. REFER TO FIGURE 8

No. of Pages : 63 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013229 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : THE USE OF KAURANES COMPOUNDS IN THE MANUFACTURE OF MEDICAMENT FOR TREATMENT OF CARDIAC HYPERTROPY AND PULMONARY HYPERTENSION

(51) International classification :A61K 31/19
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/098304
Filing Date :07/09/2016
(87) International Publication No :WO/2017/041711
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)Wen TAN

(57) Abstract :
Abstract The invention relates novel pharmaceutical use of kaurane compounds of formula (I) in treating and preventing cardiac hypertrophy and myocardium remodeling. The said compounds also can significantly ameliorate pulmonary hypertension and preventing vascular hypertrophy. The said compounds can also be used to suppress fibrosis and to treat erection dysfunction, neurological degenerations and other related diseases by modulating cGMP or cAMP signal pathway and/or by reducing reactive oxygen species (ROS). Wherein R1: hydrogen, hydroxyl or alkoxy. R2: carboxyl, carboxylate, acyl halides, aldehyde, methyl-hydroxyl, and ester, acylamide, acyl or ether group hydrolysable to carboxyl. R3,R4,R5,R6,R8: independently, oxygen, hydroxyl, methyl-hydroxyl, and ester or alkoxymethyl group hydrolysable to methyl-hydroxyl. R7: methyl, hydroxyl, and ester or alkoxymethyl hydrolysable to methyl-hydroxyl. R9: methylene or oxygen.

No. of Pages : 26 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012970 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POLYESTER LABEL AND PACKAGING CONTAINER

(51) International classification :G09F3/04,B65D23/08,C08G63/16
(31) Priority Document No :2015-195298
(32) Priority Date :30/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/078707
Filing Date :28/09/2016
(87) International Publication No :WO 2017/057506
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)HARUTA, Masayuki
2)TABOTA Norimi

(57) Abstract :
The present invention provides a label which is excellent in crack resistance during transport even if the label is a small thickness. The label of the present invention satisfies the following requirements (l) to (6): (1) the label comprises a base film having a thickness of 8 jim or more and 30 jim or less: (2) a polyester constituting the label has an intrinsic viscosity of 0.58 dl/g or more: (3) the label has a tensile elongation at break of 5% or more in both a main shrinkage direction of the label and a direction orthogonal to the main shrinkage direction of the label: (4) when an absorbancy at 1340 cm1 and an absorbancy at 1410 cm1 are measured for the base film constituting the label by a polarized ATR method, a difference between an absorbancy ratio (absorbancy at 1340 cm1 / absorbancy at 1410 cm1) in the main shrinkage direction of the label and an absorbancy ratio (absorbancy at 1340 cm1 / absorbancy at 1410 cm1) in the direction orthogonal to the main shrinkage direction of the label is 0.2 or more: (5) when a reversible heat capacity curve is measured for the base film constituting the label with a temperature modulated differential scanning calorimeter, the base film constituting the label has a difference in specific heat capacity ACp between at a lower and a higher temperature than Tg of 0.2 J/(g °C) or more: and (6) the label has a difference between a maximum value and a minimum value of a length in a vertical direction of the label of 3 mm or less.

No. of Pages : 39 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012971 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : KNEE ENDOPROSTHESIS FOR REPLACING AT LEAST PARTS OF THE KNEE JOINT

(51) International classification :A61F2/38,A61L27/10,A61F2/30
(31) Priority Document No :10 2015 219 344.6
(32) Priority Date :07/10/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/073640
Filing Date :04/10/2016
(87) International Publication No :WO 2017/060221
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)CERAMTEC GMBH
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(72)**Name of Inventor :**
1)BL–MER, Wilhelm

(57) Abstract :
The invention relates to a knee endoprosthesis comprising a femoral component (1) which has two condylar surfaces (1a, 1b) for anchoring on the distal femur, comprising a tibial component (2) for anchoring on the proximal tibia, and comprising sliding surfaces between the two components (1, 2). It is proposed according to the invention that the entire femoral component (1), but at least its condylar surfaces (1a, 1b) are made of a solidly sintered ceramic for articulation with the tibial component (2), so that the knee endoprosthesis will have the least possible amount of abrasion with optimal reproduction of the anatomical and kinematic properties of the natural knee joint, in particular through suitable combinations of materials and by reducing the abrasion-generating surfaces. This is achieved by the fact that the tibial component (2) comprises a tibial baseplate (11) made of a solidly sintered ceramic which has a medial spherical bearing shell (7) on the upper face of the baseplate facing the femoral component (1). The medial spherical bearing shell (7) is an integral component of the tibial baseplate (11) and is formed in one piece with it, and the articulation surface of the medial femur condyle (1a) is also designed to be spherical, and together with the medial spherical bearing shell (7), forms a congruent ball joint. Laterally adjacent to the medial spherical bearing shell (7), a bearing shell (8) which enables rotation of the femoral component (1) and is formed by multiple radii in the anterior-posterior direction is arranged non-congruently with the femoral condyle (1b) and is either formed integrally with the tibial baseplate (11) or is an inlay that is movable relative to the tibial baseplate (11). (Figure 1)

No. of Pages : 7 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012996 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : APPARATUS SYSTEM AND METHOD OF BEAMFORMING

(51) International classification :H04B7/04,H04B7/10
(31) Priority Document No :62/251,283
(32) Priority Date :05/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/024892
Filing Date :30/03/2016
(87) International Publication No :WO 2017/078780
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LOMAYEV, Artyom
3)CORDEIRO, Carlos
4)KASHER, Assaf

(57) Abstract :
For example an apparatus may include logic and circuitry configured to cause a first wireless station to perform a Transmit Sector Sweep (TXSS) protocol with a second wireless station over a directional frequency band using a plurality of antennas of the first wireless station an antenna of the plurality of antennas of the first wireless station comprising a plurality of sectors; to perform a Receive Sector Sweep (RXSS) protocol with the second wireless station over the directional frequency band using the plurality of antennas of the first wireless station; and based on the TXSS and RXSS protocols to configure the plurality of antennas of the first wireless station to communicate a Single User (SU) Multiple Input Multiple Output (MIMO) transmission with the second wireless station.

No. of Pages : 73 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013610 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SIGNALING OF SHORT PUCHH SIGNALS

(51) International classification :H04L 5/00
(31) Priority Document No :62/257,169
(32) Priority Date :18/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/062755
Filing Date :18/11/2016
(87) International Publication No :WO/2017/087791
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)LUO, Tao
3)PATEL, Chirag Sureshbhai
4)KADOUS, Tamer Adel
5)LIU, Chih-Hao

(57) Abstract :
Techniques for control channel signaling on a shared communication medium are disclosed. An access point or an access terminal may communicate over a communication medium in accordance with a Time Division Duplex (TDD) frame structure defining a set of subframes that each span a plurality of time-domain symbol periods. The access point may transmit and the access terminal may receive receive control information via a short Physical Uplink Control Channel (sPUCCH) on one or more of the subframes in a portion of the subframe configured for uplink signaling. The sPUCCH may comprise one or more pilot symbols and one or more payload symbols that collectively occupy a subset of less than all of the symbol periods in each of the one or more subframes.

No. of Pages : 45 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013611 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LINEAR-MODEL PREDICTION WITH NON-SQUARE PREDICTION UNITS IN VIDEO CODING

(51) International classification :H04N 19/119
(31) Priority Document No :62/260,103
(32) Priority Date :25/11/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/063653
Filing Date :23/11/2016
(87) International Publication No :WO/2017/091759
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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4)ZHAO, Xin
5)LI, Xiang
6)KARCZEWICZ, Marta

(57) Abstract :
A video coder reconstructs a set of chroma reference samples and reconstructs luma samples of a non-square prediction unit. Additionally, the video coder sub-samples the set of luma reference samples such that a total number of the luma reference samples that neighbor a longer side of the non-square prediction block is the same as a total number of the luma reference samples that neighbor a shorter side of the non-square prediction block. The video coder determines a Linear Model (LM) parameter based on formula I, where I is a total number of reference samples in the set of the luma reference samples, xi is a luma reference sample in the set of luma reference samples, yi is a chroma reference sample in the set of chroma reference samples. The video coder uses the LM parameter in a process to determine values of chroma samples of the non-square prediction block.

No. of Pages : 172 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013616 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ROTATING CONTACTOR REACTOR

(51) International classification :C02F 1/30 (2006.01)
(31) Priority Document No :1516253.0
(32) Priority Date :14/09/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/052849
Filing Date :14/09/2016
(87) International Publication No :WO/2017/046589
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)CHI TANGYIE, George

(57) Abstract :
The present invention relates to a reactor for the treatment of a liquid stream, the reactor comprising: a liquid stream inlet, a reaction zone for holding the liquid stream, at least one rotating contactor in the reaction zone arranged to rotate through the liquid stream, and a liquid outlet, wherein the at least one rotating contactor includes a fabric mesh.

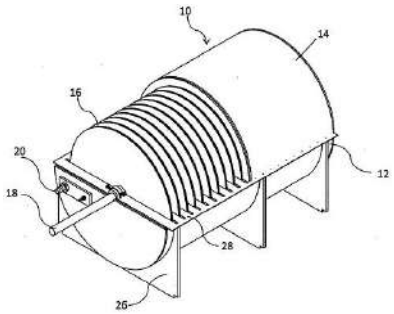

FIGURE 1

No. of Pages : 70 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013628 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : HIGH PRESSURE PIPE AND METHOD FOR PRODUCING SUCH PIPE

(51) International classification :F16L 58/16
(31) Priority Document No :2015434
(32) Priority Date :14/09/2015
(33) Name of priority country :Netherlands
(86) International Application No :PCT/NL2016/050604
Filing Date :30/08/2016
(87) International Publication No :WO/2017/048117
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DALMOLEN, Lambertus Gerrit Peter

(57) Abstract :
A high-pressure pipe comprises an inner liner (1), an outer coating layer (6) and a reinforcement layer (2, 5) positioned between the inner liner and the outer coating layer. The reinforcement layer has helically wound strips (2, 5) which each comprise a matrix (4) and fibers (3) embedded in the matrix; the fibers consist of a multitude of twisted high-strength filaments. With an aim of providing a relatively high bending flexibility, the filaments of a fiber are sized filaments obtained by subjecting the filaments to a sizing operation. [fig.l]

No. of Pages : 10 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013629 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CONCRETE MIXER AND CONTROLS THEREFOR

(51) International classification :B28C 5/42
(31) Priority Document No :62/220,772
(32) Priority Date :18/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/052235
Filing Date :16/09/2016
(87) International Publication No :WO/2017/049151
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)QUIST, Carl Phillip
3)HEIDGER, Gary
4)MARTINEZ, Clinton
5)ROEHRICH, Daryl
6)SEELNACHT, Eric
7)THIEU, Dang
8)ROISUM, Scott

(57) Abstract :
A concrete mixing system includes a vehicle (10), a rotatable mixing dram (28) coupled to the vehicle, an incline and/or slump sensor, and a controller. The controller (140) is configured to effect a change of rotational speed of the rotatable mixing dram in response to a signal from at least one of the sensors indicating an increased likelihood of spillage of concrete from the rotatable mixing drum (28). [Figure la]

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013233 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SWITCHING A WIRELESS DISPLAY MODE AND REFRESHING A GRAPHICS PROCESSING UNIT IN AN UNSTABLE STATE

(51) International classification :G06F 3/14
(31) Priority Document No :14/863,853
(32) Priority Date :24/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/044902
Filing Date :29/07/2016
(87) International Publication No :WO 2017/052779
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)MAKAR, Mina Ayman Saleh Yanni
3)JIANG, Hongyu
4)WANG, Xiaodone
5)RAVEENDRAN, Vijayalakshmi

(57) Abstract :
ABSTRACT Various aspects of the present disclosure provide for detecting a condition indicating that a graphics processing unit (GPU) is in an unstable state while receiving GPU commands in a first wireless display mode, transmitting a GPU refresh request message and switching from the first wireless display mode to a second wireless display mode in response to detecting the condition, receiving data sufficient to reset the GPU from the unstable state to a stable state at a random access point (RAP) in a trace of the GPU commands, and switching from the second wireless display mode to the first wireless display mode after receiving the data. The GPU refresh request message may include information requesting the data sufficient to reset the GPU at an upcoming RAP in the trace of the GPU commands. Various other aspects are also provided throughout the present disclosure.

No. of Pages : 38 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013234 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SAW FILTER COMPRISING AN ADDITIONAL POLE

(51) International classification :H03H 9/64
(31) Priority Document No :10 2015 116 224.5
(32) Priority Date :25/09/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/068578
Filing Date :03/08/2016
(87) International Publication No :WO/2017/050474
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KAUSCHKE, Thomas

(57) Abstract :
Abstract: In order to suppress an interference frequency in a ladder-type filter, an additional resonator (RZ1) that acts as a capacitance is connected in parallel to a series resonator (Si). The antiresonance of the additional resonator creates an additional pole in order for the interference frequency to be attenuated more effectively.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013235 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POWER MANAGEMENT WITH FLIP-FLOPS

(51) International classification :H03K 3/037
(31) Priority Document No :14/864,101
(32) Priority Date :24/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/046909
Filing Date :12/08/2016
(87) International Publication No :WO/2017/052838
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)BHAN, Divjyot
4)CAO, Lipeng
5)KOCHURI, Sai Pradeep
6)NAJDESAMII, Parissa

(57) Abstract :
An integrated circuit (IC) is disclosed herein for managing power with flip-flops having a retention feature. In an example aspect, an IC includes a constant power rail, a collapsible power rail, multiple flip-flops, and power management circuitry. Each flip-flop of the multiple flip-flops includes a master portion that is coupled to the collapsible power rail and a slave portion that is coupled to the constant power rail. The power management circuitry is configured to combine a clock signal and a retention signal into a combined control signal and to provide the combined control signal to each flip-flop of the multiple flip-flops.

No. of Pages : 55 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013236 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METAL-OXIDE-METAL (MOM) CAPACITOR WITH REDUCED MAGNETIC COUPLING TO NEIGHBORING CIRCUIT AND HIGH SERIES RESONANCE FREQUENCY

(51) International classification :H01L 23/522
(31) Priority Document No :14/866,111
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051358
Filing Date :12/09/2016
(87) International Publication No :WO/2017/053120
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)JIN, Zhang
2)YANG, Tao
3)HUNG, Tsai-Pi
4)FARAZIAN, Mohammad

(57) Abstract :
Metal-oxide-metal (MOM) type capacitors include a first terminal configured to receive a first voltage, the first terminal being formed on a first dielectric layer; a first set of fingers formed on the first dielectric layer, the first set of fingers being coupled to the first terminal via a conductive trace formed on a second dielectric layer; a second terminal configured to receive second voltage, the second terminal being formed on the first dielectric layer; and a second set of fingers formed on the first dielectric layer, the second set of fingers being coupled to the second terminal, wherein the fingers of the second set are interspersed with the fingers of the first set.

No. of Pages : 40 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013237 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POWER-AWARE CPU POWER GRID DESIGN

(51) International classification :G06F 1/32
(31) Priority Document No :5810/CHE/2015
(32) Priority Date :28/09/2015
(33) Name of priority country :India
(86) International Application No :PCT/US2016/051470
Filing Date :13/09/2016
(87) International Publication No :WO/2017/058509
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)TIWARI, Harshit
2)GUPTA, Akshay Kumar
3)TURAGA, Srinivas
4)PULIVENDULA, Deva Sudhir Kumar
5)DEVARASETTY, Venkata

(57) Abstract :
A method and an apparatus for providing a power grid are provided. The apparatus includes a plurality of memory units comprising at least one SoC memory and at least one cache memory. The apparatus includes a first subsystem coupled to the at least one SoC memory associated with a first power domain. The apparatus further includes a second subsystem coupled to the at least one cache memory associated with a second power domain. The second subsystem may be a CPU subsystem. Because the first power domain sources power from a shared power source, the first power domain may operate at a voltage level that is higher than the operation of memory circuits requires. By moving the at least one cache memory from the first power domain to the second power domain, LDO efficiency loss for components in the first power domain may be reduced.

No. of Pages : 27 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013238 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ADAPTIVE NEGATIVE BIT LINE WRITE ASSIST

(51) International classification :G11C 11/419
(31) Priority Document No :14/860,916
(32) Priority Date :22/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050577
Filing Date :07/09/2016
(87) International Publication No :WO/2017/053068
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SAHU, Rahul

(57) Abstract :
SRAM with a write assist circuit that responds to an indication that a write operation on a modeled memory cell is successful by releasing a negative bit line boost. The write assist circuit comprises a capacitance, of which one terminal is connected to a discharged bit line during a write operation and of which the other terminal is floated to terminate a negative bit line boost on completion of a write operation to the modeled memory cell.

No. of Pages : 27 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013242 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TECHNIQUES FOR WIRELESS COMMUNICATIONS USING A MODIFIED SUBFRAME STRUCTURE

(51) International classification :H04L 5/00
(31) Priority Document No :62/232,970
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/047613
Filing Date :18/08/2016
(87) International Publication No :WO/2017/052857
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CHEN, Wanshi
2)GAAL, Peter

(57) Abstract :
A modified subframe structure is defined for a subset of a plurality of subframes. The modified subframe structure includes a first portion with one or more blank symbols over which a network node can measure monitor to determine whether the subframe is used as a downlink (or uplink) subframe by a neighboring network node. The modified subframe structure can also include a second portion of symbols for communicating control information or data in the subframe, which can be based on determining whether the subframe is used as a downlink (or uplink) subframe by the neighboring network node. This can lessen the impact of possible interference caused by the network nodes dynamically switching time division duplexing (TDD) subframe configurations by enabling network nodes to determine when a neighboring node is transmitting in a subframe, and accordingly avoiding transmitting in the subframe.

No. of Pages : 47 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013243 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND METHOD FOR MODEM MANAGEMENT BASED ON KEY PERFORMANCE INDICATORS

(51) International classification :G06F 1/20
(31) Priority Document No :14/873,154
(32) Priority Date :01/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050102
Filing Date :02/09/2016
(87) International Publication No :WO/2017/058464
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)PARK, Hee Jun
2)TU, Alex
3)GEEKIE, James Francis

(57) Abstract :
Various embodiments of methods and systems for modem management in a portable computing device are disclosed. An exemplary method recognizes an input of a key performance indicator (KPI) from a plurality of performance indicators. Based on the key performance indicator either manually by a user or automatically based on system status information, the exemplary method determines a particular modem management and control strategy designed to optimize performance of the modem based on the key performance indicator. The determined modem management and control strategy is implemented to cause adjustment of a modem performance level such that the key performance indicator is optimized. Exemplary KPIs include, lower device temperature, maximization of the percentage of time that the modem is operating at a maximum advertised LTE speed, maximization of the average data throughput, maximization of battery life, and minimizing LTE speed transitions over time.

No. of Pages : 36 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013249 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LOW PROFILE PACKAGE WITH PASSIVE DEVICE

(51) International classification :H01L 23/538
(31) Priority Document No :14/865,749
(32) Priority Date :29/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/053101
Filing Date :22/09/2016
(87) International Publication No :WO/2017/053560
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SONG, Young Kyu
2)LEE, Jong-Hoon
3)JOW, Uei-Ming

(57) Abstract :
Provided is a low-profile package and related techniques for use and fabrication. In an example, a low-profile package is provided. The low-profile package includes an exemplary integrated circuit (IC) having an active face, an integrated passive device (IPD) having a face, and a redistribution layer (RDL) disposed between the IPD and the IC. The IC is embedded in a substrate. The active face of the IC faces the face of the IPD in a face-to-face (F2F) configuration. At least one contact of the IPD is arranged in an overlapping configuration relative to the IC. The RDL is configured to electrically couple the IPD with the IC. The RDL can be disposed between the IPD and the IC, can be embedded in the substrate, and can be configured as an electromagnetic shield.

No. of Pages : 37 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012998 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A LUMINAIRE FOR CONTROLLING A LIGHT OUTPUT OF A LIGHTING MODULE COMPRISING AT LEAST ONE LIGHT SOURCE

(51) International classification	:H05B37/02
(31) Priority Document No	:15196483.0
(32) Priority Date	:26/11/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/077847 :16/11/2016
(87) International Publication No	:WO 2017/089195
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)CLOUT, Ramon, Antoine, Wiro
2)VAN GHELUWE, Jochen, Renaat
3)VAN DE SLUIS, Bartel, Marinus
4)NEWTON, Philip, Steven

(57) Abstract :
A luminaire (100) for controlling a light output of a lighting module (106) comprising at least one light source is disclosed. The luminaire (100) comprises a housing (102) and a plurality of connectors (104 105) for interfacing with the lighting module (106). Each connector (104 105) has a position defined by a location relative to the housing (102) and an orientation relative to the gravitational field wherein at least two connectors (104 105) have different orientations. The luminaire (100) further comprises a processor (108) for detecting the lighting module (106) at a connector (104) and for accessing information indicative of the position of the connector (104). The processor (108) is further arranged for identifying the lighting module (106) based on a signal received from the lighting module (106) and for controlling the light output of the lighting module (106) based on the identification of the lighting module (106) and the position of the connector (104).

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847012999 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A LIGHTING DEVICE

(51) International classification	:F21K9/232,F21V3/02,F21V29/506
(31) Priority Document No	:15196494.7
(32) Priority Date	:26/11/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/077668 :15/11/2016
(87) International Publication No	:WO 2017/089170
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BUKKEMS Peter Johannes Martinus
2)ANSEMS Johannes Petrus Maria

(57) Abstract :
A lighting device comprising at least one light source (4) adapted for in operation emitting light a heat sink element (3) comprising a first part (31) on which the at least one light source is arranged and a second part (32) the second part comprising a plurality of ribs (341 342 343 344) extending from the first part and a cover element (2) comprising an outer surface (21) adapted for forming a light exit surface of the lighting device the cover element (2) comprising a first plurality of grooves (231 232 233) comprising a V shaped cross section and being provided in the outer surface of the cover element the cover element being arranged such as to extend over the heat sink element in such a way that the first plurality of grooves extends over the plurality of ribs of the second part of the heat sink element.

No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013000 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEM AND METHOD FOR TARGETED DATA COMMUNICATION

(51) International classification :H04B10/114,H04B10/116
(31) Priority Document No :15196399.8
(32) Priority Date :26/11/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/077868
Filing Date :16/11/2016
(87) International Publication No :WO 2017/089199
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KAAG, Bjorn, Christiaan, Wouter
2)JOHNSON,, Mark Thomas
3)DE BRUIJN, Frederik, Jan

(57) Abstract :
The invention relates to a method for directing communication traffic to and from a communication unit within an application control system wherein the application control system comprises a plurality of application control components and the application control components are capable of transmitting messages to the communication unit using light waves. By determining position information of the application control components within the application control system and of a first communication unit within the application control system an area of interest for the first communication unit is computed based on at least the first position information. A first subgroup of one or more application control components from the plurality of application control components located within the area of interest of the first communication unit is identified and data paths through the application control system are programmed to communicate with the communication unit using the identified subgroup of application control components.

No. of Pages : 27 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013001 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A LIGHTING MODULE ARRANGED TO BE ATTACHED TO A LUMINAIRE

(51) International classification :H05B37/02
(31) Priority Document No :15196485.5
(32) Priority Date :26/11/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/077713
Filing Date :15/11/2016
(87) International Publication No :WO 2017/089178
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)VAN DE SLUIS, Bartel, Marinus
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3)ENGELEN, Dirk, Valentinus, Ren
4)NEWTON, Philip, Steven
5)DEKKER, Tim
6)CLOUT, Ramon, Antoine, Wiro

(57) Abstract :
A lighting module (100) arranged to be attached to a luminaire (110) is disclosed. The lighting module (100) comprises at least one light source (102) for rendering a light output and a processor (104) arranged for determining if the lighting module (100) has been attached to the luminaire (110). The processor (104) is further arranged for setting the lighting module (100) to a first mode of operation if the lighting module (100) has been attached to the luminaire (110) and for setting the lighting module (100) to a second mode of operation if the lighting module (100) has been detached from the luminaire (110). The light output of the at least one light source (102) is controlled dependent on a light setting of the luminaire (110) when the lighting module (100) is in the first mode of operation and the light output of the at least one light source (102) is controlled independent on the light setting of the luminaire (110) when the lighting module (100) is in the second mode of operation. This enables a user to control the light output of the lighting module (100) when it has been attached to the luminaire (110) for example by controlling the light output of the luminaire (110) and to control the light output of the lighting module (100) when it has been detached from the luminaire (110) for example by interacting with the lighting module (100).

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013002 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DISTINGUISHING DEVICES HAVING POSITIONS AND DIRECTIONS

(51) International classification :G01S19/39,G01S3/786,G01S19/14
(31) Priority Document No :15197014.2
(32) Priority Date :30/11/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/077793
Filing Date :16/11/2016
(87) International Publication No :WO 2017/093017
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)NAIR, Biju, Kumar, Sreedharan
3)VERBAKEL, Cornelis, Antonius

(57) Abstract :
Methods for distinguishing devices (1 2) receive position information from position sensors (13 23) defining positions of the devices (1 2) and receive direction information from direction sensors (14 24) defining directions of the devices (1 2) and analyze the direction information. The devices (1 2) can be distinguished from each other even in case they are located closer to each other than the accuracies of their position sensors (13 23). First devices (1) comprise first drivers (11) for driving first loads (15) and first controllers (12) for controlling the first drivers (11) and for receiving first position signals from first position sensors (13) and for receiving first direction signals from first direction sensors (14). The first direction sensors (14) may comprise first light detectors (16). Apparatuses (3) may commission the devices (1 2) and may comprise receivers (31) for receiving the position information and the direction information and analyzers (32) for analyzing the direction information to distinguish the devices (1 2).

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013019 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ACQUIRING LEO SATELLITES WITHOUT COMPASS

(51) International classification :H04B7/185
(31) Priority Document No :14/862,647
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051132
Filing Date :09/09/2016
(87) International Publication No :WO/2017/053096
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)DAVIS, Roy Howard

(57) Abstract :
A method and apparatus for establishing a communication link between a user terminal and a first satellite associated with a first satellite service are disclosed. The user terminal determines a position of the user terminal based at least in part on location information provided by a satellite positioning system (SPS) receiver associated with the user terminal determines a reference azimuth of the user terminal based at least in part on a position of a second satellite associated with a second satellite service that is different than the first satellite service obtains ephemeris data for the first satellite and aligns a directional antenna of the user terminal with the first satellite based at least in part on the position of the user terminal the reference azimuth of the user terminal and the received ephemeris data.

No. of Pages : 29 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013020 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INTEGRATED CIRCUIT WITH LOW LATENCY AND HIGH DENSITY ROUTING BETWEEN A MEMORY CONTROLLER DIGITAL CORE AND I/OS

(51) International classification :G06F13/16
(31) Priority Document No :14/861114
(32) Priority Date :22/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050824
Filing Date :08/09/2016
(87) International Publication No :WO 2017/053079
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)DESAI Kunal
2)APHALE Aniket
3)RAO Umesh

(57) Abstract :
An integrated circuit is provided with a memory controller coupled to a buffered command and address bus and a pipelined data bus having a pipeline delay. The memory controller is configured to control the write and read operations for an external memory having a write latency period requirement. The memory controller is further configured to launch write data into the pipelined data bus responsive to the expiration of a modified write latency period that is shorter than the write latency period.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013021 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TECHNIQUES FOR MANAGING CERTIFICATES ON A COMPUTING DEVICE

(51) International classification :H04L9/32
(31) Priority Document No :14/865448
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/046586
Filing Date :11/08/2016
(87) International Publication No :WO 2017/052832
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MIRANDA Maria
2)BASHIR Qazi
3)PATNE Satyajit
4)KEIDAR Ron

(57) Abstract :
Techniques for managing certificates on a computing device are provided. An example method according to these techniques includes receiving an image file comprising a hash value of a certificate on which a certificate action is to be performed the certificate action being a revocation action or an activation action the image file having been signed by a signing certificate determining whether the image file has been signed by a valid certificate by comparing a hash value of the signing certificate to a plurality of hash values associated with certificates stored in a one time programmable memory of the computing device and performing the certificate action responsive to the image file having been signed by the valid certificate and the certificate on which the certificate action is to be performed having been found in the memory by setting a value of an indicator associated with the certificate in the memory.

No. of Pages : 40 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013636 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CIRCUIT PROTECTION SYSTEM AND METHOD

(51) International classification :H01R 13/66 (2006.01)
(31) Priority Document No :62/ 242,534 (US)
(32) Priority Date :16/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/056828
Filing Date :13/10/2016
(87) International Publication No :WO 2017/066438
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)FOSTER, FREDERICK M.

(57) Abstract :
A DC and/or an AC power transmission circuit protection system is for protection of a cabling medium. The circuit protection system includes a power supply, a powered device and a circuit protection module that includes an over-current and/or over-voltage circuit module and/or a heat circuit protector. The protection system is disposed between the power supply and the powered device, and interrupts an electrical current that flows through the cabling medium when the over-current and/or over-voltage circuit module and/or the circuit protector exceeds a predetermined level. There is also provided a method to dispose the circuit protection system and the circuit protection module within the circuit and to interrupt the circuit when over-current and/or over-voltage circuit module and/or heat circuit protector exceeds a predetermined level.

No. of Pages : 59 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013638 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CODED LIGHT MODULATION ARRANGEMENT

(51) International classification :H05B 37/02
(31) Priority Document No :PCT/CN2015/096137
(32) Priority Date :01/12/2015
(33) Name of priority country :China
(86) International Application No :PCT/EP2016/078966
Filing Date :28/11/2016
(87) International Publication No :WO2017/ 093170
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CHEN, Zhi, Quan
3)XU, Biwen
4)WANG, Gang, G
5)WANG, Gang, K

(57) Abstract :
ABSTRACT CODED LIGHT MODULATION ARRANGEMENT The invention describes a coded light modulation arrangement (1), adapted to be connected between a driver (31) and a LED (3), which coded light modulation arrangement (1) comprises input terminals (10) adapted to connect to the driver (31) and to receive a drive current (IDRIVE), an energy storage arrangement comprising a number of energy storage devices (E1, E2); a data input interface (12) realized to receive a data stream (D), said data stream (D) comprises a sequence of binary symbols comprising a logic high and a logic low; a switch arrangement comprising a number of switches (S1, S2) arranged to connect the energy storage devices (E1, E2) of the energy storage arrangement and to modulate the drive current such that, in a charging switch configuration corresponding to the logic low, a negative modulation current (INEG) is diverted from a drive current (IDRIVE) of the LED (3) to the energy storage arrangement; and, in a discharging switch configuration corresponding to the logic high, a positive modulation current (IPOS) is drawn from the energy storage arrangement and added to the drive current (IDRIVE) of the LED (3); and output terminals (11) adapted to connect to the LED (3) and to provide the modulated drive current directly to the LED (3) to emit the low and high radiant flux level as coded light (Lcoded) to be received by a photosensor of a coded light receiver device. The invention further describes a method of performing coded light modulation for light emitted by a LED (3); a luminaire; and a coded light communication arrangement (5). Fig. 1

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013639 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CAPACITIVE POWER TRANSFER ARRANGEMENT

(51) International classification :H02J 50/05
(31) Priority Document No :PCT/CN2015/096112
(32) Priority Date :01/12/2015
(33) Name of priority country :China
(86) International Application No :PCT/EP2016/078882
Filing Date :25/11/2016
(87) International Publication No :WO/2017/093144
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SHI, Liang
2)WANG, Gang
3)HE, Feng

(57) Abstract :
ABSTRACT CAPACITIVE POWER TRANSFER ARRANGEMENT The invention describes a capacitive power transfer arrangement (1) for transferring power between a first electrical device (10) and a physically independent second electrical device (20), which power transfer arrangement (1) comprises a number of coupled capacitors (C1, C2), and wherein a coupled capacitor (C1, C2) comprises a first electrode (C110, C210), which first electrode (C110, C210) comprises a heatsink (H1, H2) thermally coupled to a heat dissipating component (Q, 14) of a power supply (12) of the first electrical device (10); a second electrode (C120, C220) realized in the second electrical device (20); and a dielectric layer (D) formed by a housing (16, 26) of at least one of the electrical devices (10, 20). The invention further describes a method of performing capacitive power transfer from a first electrical device (10) to a physically independent second electrical device (20); a driver (11) of an electrical device (10); and n electrical device (10) comprising such a driver (11). Fig. 1

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/04/2018

(21) Application No.201847013024 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SOURCE SEPARATED CELL

(51) International classification :H01L27/02,H01L27/088,H01L21/8234
(31) Priority Document No :14/864486
(32) Priority Date :24/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/050571
Filing Date :07/09/2016
(87) International Publication No :WO 2017/053065
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)CHEN, Xiangdong
3)BOYNAPALLI, Venugopal
4)LIM, Hyeokjin Bruce
5)GUPTA, Mukul
6)KANG, Hananel
7)KAO, Chih lung
8)GUTTAL, Radhika

(57) Abstract :
A MOS device includes a first MOS transistor having a first MOS transistor source a first MOS transistor drain and a first MOS transistor gate. The MOS device also includes a second MOS transistor having a second MOS transistor source a second MOS transistor drain and a second MOS transistor gate. The second MOS transistor source and the first MOS transistor source are coupled to a first voltage source. The MOS device includes a third MOS transistor having a third MOS transistor gate the third MOS transistor gate between the first MOS transistor source and the third MOS transistor source the third MOS transistor further having a third MOS transistor source and a third MOS transistor drain the third MOS transistor source being coupled to the first MOS transistor source the third MOS transistor drain being coupled to the second MOS transistor source the third MOS transistor gate floating.

No. of Pages : 20 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018
(21) Application No.201847013710 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : NOTIFICATION MESSAGE MANAGEMENT METHOD, AND TERMINAL

(51) International classification :H04M 1/725 (2006.01)
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/094410
Filing Date :10/08/2016
(87) International Publication No :WO/2018/027679
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)MAO, Yanyan

(57) Abstract :
Embodiments of the present invention provide a notification message management method and a terminal, where the method is used for the terminal, at least one application that is capable of providing a notification message is installed on the terminal, and the method includes: detecting a user-input instruction for displaying a user interface for notification management; displaying the user interface for notification management, where the user interface for notification management includes a classification option; receiving a user-input instruction for selecting the classification option; displaying at least two application types; detecting a user-input instruction for selecting an option of one application type of the at least two application types; displaying, in a same user interface, an identifier of at least one application corresponding to the selected application type and displaying a setting option of a UI prompt manner of a notification message for each of the at least one application; detecting an operation of a user on the setting option of the UI prompt manner of the at least one application; and saving the setting option of the UI prompt manner of the at least one application after the user operation.

No. of Pages : 73 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201847013746 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MULTIPLEX BIOMARKER FOR USE IN EVALUATION OF STATE OF ACCUMULATION OF AMYLOID B IN BRAIN, AND ANALYSIS METHOD FOR SAID EVALUATION

(51) International classification :G01N 33/68
(31) Priority Document No :2015-183372
(32) Priority Date :16/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/076706
Filing Date :09/09/2016
(87) International Publication No :WO/2017/047529
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KANEKO, Naoki
2)NAKAMURA, Akinori

(57) Abstract :
ABSTRACT MULTIPLEX BIOMARKER FOR USE IN EVALUATION OF STATE OF ACCUMULATION OF AMYLOID B IN BRAIN, AND ANALYSIS METHOD FOR SAID EVALUATION Provided are a biomarker for evaluating a cerebral Ap accumulation state using amyloid precursor protein (APP)-derived Ap and Ap-like peptides in a living body-derived sample as an index, and a method for analysis thereof. A marker for determining a cerebral Ap accumulation state, the marker comprising a combination of at least two ratios selected from the group consisting of: a ratio of Ap1-39 (SEQ ID NO.: 1) level to Ap1-42 (SEQ ID NO.: 3) level: Ap1-39/Ap1-42; a ratio of Ap1-40 (SEQ ID NO.: 2) level to Ap1-42 (SEQ ID NO.: 3) level: Ap1-40/Ap1-42; and a ratio of APP669-711 (SEQ ID NO.: 4) level to Ap1-42 (SEQ ID NO.: 3) level: APP669-711/Ap1-42, in a living body-derived sample.

No. of Pages : 91 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/01/2018

(21) Application No.201847003210 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BALLOON CATHETER

(51) International classification :A61M 25/10
(31) Priority Document No :10 2015 112 390.8
(32) Priority Date :29/07/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/068184
Filing Date :29/07/2016
(87) International Publication No :WO/2017/017259
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)BENTLEY INNOMED GMBH
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(72)**Name of Inventor :**
1)OBRADOVIC, Milisav
2)BREGULLA, Rainer

(57) Abstract :
Summary The invention relates to a balloon catheter, in particular for the widening of stents in fenestrations and for T-branch protheses, being provided with a balloon (4), a supply line in the catheter (2) leading to the balloon (4), which allows the balloon (4) to be pressurized, and a central lumen (3) for a guidewire, with the balloon (4) in the expanded state having at least two areas (P, D, M) of different diameter, with these areas merging into one another by forming a step. - Fig. 2 -

No. of Pages : 13 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/03/2018

(21) Application No.201847010864 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MODIFICATION OF DELIVERED EMAIL CONTENT

(51) International classification :H04L 12/58
(31) Priority Document No :14 / 873,225
(32) Priority Date :02/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/053647
Filing Date :26/09/2016
(87) International Publication No :WO/2017/058687
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)ALI, Zohaib
2)WANG, Yamin
3)CATRINESCU, Elena
4)MARCUS, Joseph
5)BRICKMAN, Michael
6)STEPLYK, Hayley
7)MELO, Eduardo

(57) Abstract :
ABSTRACT Various parts of email content or entire emails may be recalled or modified after delivery through the use of links to cloud-storage, where the various parts of the email content may be stored. Different notification and modification methods may be employed to modify delivered content even after it is rendered for a recipient. While recipients may have a latest version of the email content, senders may be enabled to see a version history of changes in delivered email content.

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201847001370 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : OVERHEAD TRANSPORT AND ROUTE MANAGEMENT SYSTEM

(51) International classification :H04H 20/62
(31) Priority Document No :62/246,535
(32) Priority Date :26/10/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/058962
Filing Date :26/10/2016
(87) International Publication No :WO 2017/075115
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)MEISSNER, J. Michael

(57) Abstract :
An overhead transport system includes a suspended railway and a motorized carrier configured to travel along the suspended railway. The motorized carrier includes a motorized trolley configured to move the motorized carrier along the suspended railway chassis/beam configured to carry an object below the motorized trolley and a bumper and deflection system configured to prevent the object from contacting another object.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2018

(21) Application No.201847001533 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POWER GENERATION CONTROL DEVICE FOR HYBRID VEHICLE

(51) International classification	:B60W10/26,B60K6/442,B60K6/547
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/JP2015/068188 :24/06/2015
(87) International Publication No	:WO 2016/208003
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)TOYOTA, Ryohey
2)KOGA, Masato

(57) Abstract :
The present invention addresses the problem of preventing discomfort to an occupant while traveling in a vehicle in which stops and starts are repeated. A hybrid vehicle is equipped with a first motor generator (MG1) mechanically connected to driving wheels (19) a second motor generator (MG2) mechanically connected to an internal combustion engine (ICE) and a high voltage battery (3) electrically connected to the two motor generators (MG1 MG2). The hybrid vehicle is provided with a hybrid control module (21) that performs: series power generation in which the second motor generator (MG2) generates power using the internal combustion engine (ICE) while the vehicle is traveling with the first motor generator (MG1) as a drive source; and idling power generation in which the second motor generator (MG2) generates power using the internal combustion engine (ICE) while the vehicle is stopped. The module (21) sets a series power generation start threshold (SOC1) for the battery SOC to start the series power generation and an idling power generation start threshold (SOC3) for the battery SOC to start the idle power generation to the same first common power generation start threshold (SOC1).

No. of Pages : 39 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2018

(21) Application No.201847002773 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FLAT TYPE BATTERY

(51) International classification :H01M 2/02
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/069027
Filing Date :01/07/2015
(87) International Publication No :WO/2017/002235
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)OUME, Ami
2)MATSUO, Azusa
3)SAITO, Takamitsu
4)MAEDA, Takehiro
5)NITTA, Yoshiaki

(57) Abstract :
ABSTRACT FLAT TYPE BATTERY [ABSTRACT] [PROBLEM] To provide a flat type battery capable of preventing liquid depletion while maintaining a state in which pressure from an exterior member acts uniformly on a surface intersecting the layering direction of a power generating element. [SOLUTION] The flat type battery 100 comprises an electrolytic solution 10, and a power generating element 50 containing electrolyte layers 20 and a plurality of electrodes 30, 40 layered with each of the electrolyte layers therebetween, and the power generating element expands with use in the layering direction Z of the positive electrodes 30 and the negative electrodes 40. This flat type battery 100 further comprises an exterior member 110 forming a tightly sealed space 80 containing a space 60 in which the power generating element is housed, and an extra space 70. The extra space is formed between the exterior member and a side surface SS extending along the layering direction of the power generating element. The exterior member includes a volume adjustment portion 140 allowing for an increase in the volume of the extra space by expanding in response to a pressure rise inside the tightly sealed space while the exterior member is being pressed against the surfaces SU, SB intersecting the layering direction of the power generating element due to a pressure difference between the exterior and the interior. The volume adjustment portion allows for an increase in the volume of the extra space while maintaining the state in which the exterior member is pressed against the surfaces intersecting the layering direction of the power generating element.

No. of Pages : 53 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/02/2018

(21) Application No.201847006698 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TAPE SUPPORT ARRANGEMENT

(51) International classification :B41J 17/22
(31) Priority Document No :1513537.9
(32) Priority Date :31/07/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/052333
Filing Date :29/07/2016
(87) International Publication No :WO/2017/021703
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MCNESTRY, Martin
2)BUCKBY, Steven John

(57) Abstract :
ABSTRACT TAPE SUPPORT ARRANGEMENT A tape support arrangement comprises a tape take up core (220) suitable for supporting a tape; and a tape supply core (210) suitable for supporting a tape (230). The supply core (210) comprises an inner surface (212), the inner surface defining an internal volume (240) of the supply core and being configured for engagement with a tape drive support. The take up core (220) is sized and shaped such that it can be located in the internal volume (240) of the supply core (210). Refer to Figure 2 [Figure 2]

No. of Pages : 52 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/02/2018

(21) Application No.201847006699 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TAPE DRIVE AND ASSOCIATED SPOOL

(51) International classification :B41J 35/28
(31) Priority Document No :1513541.1
(32) Priority Date :31/07/2015
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2016/052334
Filing Date :29/07/2016
(87) International Publication No :WO/2017/021704
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)MARTIN, McNestry
2)BUCKBY, Steven John

(57) Abstract :
ABSTRACT TAPE DRIVE AND ASSOCIATED SPOOL A tape drive comprises a spool support (30) for supporting a tape spool (32), wherein the spool support comprises a support surface (34) mounted to a tape drive base plate (36) such that the support surface (34) is fixed against rotation relative to the base plate (36), the support surface (34) being configured such that, in use, as tape is removed from or wound onto the spool (32), the spool (32) rotates relative to the spool support (30) such that the spool (32) rotates around the support surface (34). [Figure 2]

No. of Pages : 40 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/02/2018

(21) Application No.201847006709 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BODY FRAME FOR TWO-WHEELED MOTOR VEHICLE

(51) International classification :B62K 11/10
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2015/075481
Filing Date :08/09/2015
(87) International Publication No :WO/2017/042885
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)KUBO, Toshihiro
2)MATAYOSHI, Kota
3)MINAMI, Hiroki

(57) Abstract :
A vehicle-body frame for a two-wheeled motor vehicle is provided which includes a head pipe, a down frame extending downward to a rear from the head pipe, and a pair of left and right lower frames that are formed into a hollow shape by joining a press-formed metal plate material, are connected to left and right sides of a lower part of the down frame, and extend rearward, wherein a link supporting part (47) forming an opening (48) that opens rearward and downward is formed integrally with a rear end part of the lower frame (19), and one end part (51) of a suspension link (25) linked to a unit-swing type power unit is inserted into the opening (48) and pivotably supported by the link supporting part (47). This enables a unit-swing type power unit to be supported while avoiding any increase in the number of processing steps and the weight.

No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005769 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SPECTRAL DOPPLER PROCESSING WITH ADAPTIVE SAMPLE WINDOW SIZE

(51) International classification :A61B 8/06
(31) Priority Document No :62/210518
(32) Priority Date :27/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2016/054942
Filing Date :18/08/2016
(87) International Publication No :WO/2017/033098
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)CLARK, David Wesley

(57) Abstract :
Abstract of the disclosure: A spectral Doppler processor for an ultrasound system produces blood flow velocity estimates by processing a sequence of complex blood flow echo samples with an FFT algorithm. The FFT algorithm is executed with a long window of samples to produce velocity estimates with good velocity precision and is executed with a short window of samples to produce velocity estimates with good time precision. The long window algorithm is used when blood flow velocity is not changing rapidly, and the short window algorithm is used when blood flow velocity is changing rapidly.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005866 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MOBILE APPARATUS, IMAGE SCAN APPARATUS AND METHOD FOR PROCESSING A JOB

(51) International classification :H01J 31/28
(31) Priority Document No :2015-0117967
(32) Priority Date :21/08/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/006564
Filing Date :21/06/2016
(87) International Publication No :WO/2017/034136 A1)
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)TAE-GYUN CHO

(57) Abstract :
MOBILE APPARATUS, IMAGE SCAN APPARATUS AND METHOD FOR PROCESSING A JOB [ABSTRACT] A mobile apparatus includes a user interface configured to allow a user to select an image scan apparatus, a communication interface configured to transmit a scan command to the selected image scan apparatus and receive a plurality of image data from the selected image scan apparatus via a streaming method, and a controller configured to generate a scan image using the plurality of image data. [FIG. 1]

No. of Pages : 83 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005880 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MACHINE FOR THE PRODUCTION OF FOOTWEAR

(51) International classification :D05B15/02,A43B9/08,A43B9/02
(31) Priority Document No :102015000035815
(32) Priority Date :20/07/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2016/054283
Filing Date :19/07/2016
(87) International Publication No :WO 2017/013580
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)CENTANNI FIORINI, Massimo

(57) Abstract :
The machine realizes the stitching of an open type upper (U) to a bottom (1) for footwear the latter including a first and second cut (5 6) from the inside of the related upper surface (4) out with a profile equal to the profile of the perimeter edge (2) of the bottom (1). The machine includes first and second retractor means (8 9) to open wide the hems of said first (5) and second (6) cuts; a needle (7) mobile between a retracted position (R) and an advanced one (A) being adapted to successively penetrate the lower edge (L) of the upper (U) and the portion (10) of the bottom (1) located between said cuts (5 6) and to enter in a rotating hook device (70) provided to cooperate with the needle itself in order to realize stiches; means adapted to synchronously translate said needle (7) and rotating hook device (70) with an alternating motion according to travels having an amplitude equal to a preset stitching pitch.

No. of Pages : 11 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :15/02/2018

(21) Application No.201847005890 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : OXAZOLIDINONE COMPOUNDS AND METHODS OF USE THEREOF AS ANTIBACTERIAL AGENTS

(51) International classification :A61K 31/42
(31) Priority Document No :PCT/CN2015/092563
(32) Priority Date :22/10/2015
(33) Name of priority country :PCT
(86) International Application No :PCT/US2016/057257
Filing Date :17/10/2016
(87) International Publication No :WO/2017/070024
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)OLSEN, David, B
3)SU, Jing
4)YANG, Lihu
5)YOUNG, Katherine
6)SUZUKI, Takao
7)YOU, Lanying

(57) Abstract :
The present invention relates to oxazolidinone compounds of Formula (I)and pharmaceutically acceptable salts thereof, wherein A, E, and Ri are as defined herein. The present invention also relates to compositions which comprise at least one oxazolidinone compound of the invention. The invention also provides methods for inhibiting growth of mycobacterial cells as well as a method of treating mycobacterial infections by Mycobacterium tuberculosis comprising administering a therapeutically effective amount of an oxazolidinone of the invention and/or a pharmaceutically acceptable salt thereof, or a composition comprising such compound and/or salt.

No. of Pages : 84 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/02/2018

(21) Application No.201847004123 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD AND APPARATUS FOR PROVIDING VIDEO SERVICE IN COMMUNICATION SYSTEM

(51) International classification :H04N 21/2343
(31) Priority Document No :10-2015-0096656
(32) Priority Date :07/07/2015
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2016/007385
Filing Date :07/07/2016
(87) International Publication No :WO/2017/007264
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)KWEON, Ki-Suk
2)LIM, Han-Na
3)LEE, Ji-Cheol
4)OH, Hyun-Ah

(57) Abstract :
A method of a terminal for providing a video service in a communication system is provided. The method includes requesting a server to transmit first video data in a maximum available bandwidth, receiving, from the server, the first video data in the maximum available bandwidth, determining a first bandwidth for the first video data and a second bandwidth for second video data within the maximum available bandwidth so that the first video data and the second video data have differential image qualities when an event of requesting the second video data is detected, requesting the server to transmit the first video data in the first bandwidth and to transmit the second video data in the second bandwidth, and receiving the first video data in the first bandwidth and receiving the second video data in the second bandwidth from the server. FIG. 13

No. of Pages : 42 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/02/2018

(21) Application No.201847004191 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DETECTING AND CORRECTING POTENTIAL ERRORS IN USER BEHAVIOR

(51) International classification :G01C 21/36
(31) Priority Document No :14/860,151
(32) Priority Date :21/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/039508
Filing Date :27/06/2016
(87) International Publication No :WO/2017/052708
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FOERSTER, Jakob Nicolaus
2)BREWIN, Frederick Peter

(57) Abstract :
A computing system is described that predicts a future action to be taken by a user of a computing device and determines, based on contextual information associated with the computing device, a current action being taken by the user. The computing system determines, based on the current action, a degree of likelihood of whether the user will be able to take the future action and predicts, based on the degree of likelihood, that the user will not be able to take the future action. The computing system sends information to the computing device indicating that the current action being taken by the user will lead to the user not being able to take the future action.

No. of Pages : 53 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/03/2018
(21) Application No.201847012230 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SEALED ROTARY TABLE

(51) International classification :F16H 57/02
(31) Priority Document No :62/222,522
(32) Priority Date :23/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/053051
Filing Date :22/09/2016
(87) International Publication No :WO/2017/053533
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KLAEHN, Isaac

(57) Abstract :
A motion control apparatus in the form of a sealed rotary table (10) includes a first annular seal (54) located between a bearing cap (48) of a case and an inner diameter of a cylindrical flange (60), and a second annular seal (56) located between a seal ledge (22) of an annular wall (18) of the case and the outer diameter of the cylindrical flange (60). An enclosure (24), the annular wall (18) and a planar annular disc (16) are integrally formed as a single piece part of homogenous material. A drive station (12) includes a rotor (110) rotatably mounted inside an annular sleeve (118) by a bearing (140) inside an annular end cap (136) at an axial extent less than that of the annular sleeve (118). An encoder (150) is located within the annular end cap (136) and within the axial extent of the annular sleeve (118).

No. of Pages : 21 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2018

(21) Application No.201847007561 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROCESS FOR THE SYNTHESIS OF RAVIDASVIR

(51) International classification :C07D 403/14
(31) Priority Document No :UB2015A002784
(32) Priority Date :03/08/2015
(33) Name of priority country :Italy
(86) International Application No :PCT/EP2016/068019
Filing Date :28/07/2016
(87) International Publication No :WO 2017/021270 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)CASTALDI, Graziano
2)BARUTO, Alessandro
3)OLDANI, Erminio
4)GABOARDI, Mauro

(57) Abstract :
ABSTRACT PROCESS FOR THE SYNTHESIS OF RAVIDASVIR A process for the synthesis of ravidasvir and intermediates useful in the preparation thereof are disclosed.

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/02/2018

(21) Application No.201847007623 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MULTIPLE INPUT TOUCH DIMMER LIGHTING CONTROL

(51) International classification :G05B 11/01
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/IB2016/054608
Filing Date :01/08/2016
(87) International Publication No :WO/2017/016665
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)DRISCOLL, David O'
2)NATHAN, Moffat
3)CARTER, Trent

(57) Abstract :
The invention relates to a touch panel device for a dimmer lighting control system, the device comprising a touch sensitive surface capable of detecting a touch input; a light sensor that detects ambient light levels within a sensing area adjacent to the device; a processing means operatively connected to the touch sensitive surface and the light sensor for generating control signals based on detection of the touch input on the touch sensitive surface and/or ambient light levels wherein, in use, the total light output of a light circuit can be controlled manually with the touch panel device and/or controlled autonomously by the level of ambient light in the sensing area.

No. of Pages : 37 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2018

(21) Application No.201847007673 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LIQUID SULFONYLUREA- AND LI-SALT CONTAINING HERBICIDAL COMPOSITIONS

(51) International classification :A01N 25/22
(31) Priority Document No :16175549.1
(32) Priority Date :21/06/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/065289
Filing Date :21/06/2017
(87) International Publication No :WO/2017/220680
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)GOLDSMITH, Andrew
2)GROOME, John

(57) Abstract :
ABSTRACT LIQUID SULFONYLUREA- AND LI-SALT CONTAINING HERBICIDAL COMPOSITIONS This invention relates to a liquid herbicidal composition comprising a non-aqueous solvent system, at least one sulfonylurea herbicide and at least one inorganic or C1-C12 organic lithium salt. The invention also relates to the use of an inorganic or C1-C12 organic lithium salt to improve chemical stabilisation of a sulfonylurea herbicide in a liquid composition comprising a non-aqueous solvent system.

No. of Pages : 74 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2018

(21) Application No.201847007787 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SYSTEMS AND METHODS FOR CONTENT PRESENTATION

(51) International classification :G06F 3/048
(31) Priority Document No :14/839,834
(32) Priority Date :28/08/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2015/047766
Filing Date :31/08/2015
(87) International Publication No :WO/2017/039618
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)VOSS, Brady John Brayley
2)PAKES, Matthew Hanson

(57) Abstract :
Systems, methods, and non-transitory computer-readable media can provide a content feed having at least a first content item and a second content item through a display interface. The first content item can be associated with a threshold playback time. A determination can be made that the first content item is being played through the display interface. At least one touch screen gesture can be received through the display interface. A response to the touch screen gesture can be prevented until the first content item is played for the threshold playback time

No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :01/03/2018

(21) Application No.201847007831 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BACK FRAME

(51) International classification :A45F 3/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/AU2016/050705
Filing Date :04/08/2016
(87) International Publication No :WO/2017/020088
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)Rasmussen Nicolas
2)Christmas Elizabeth Helen
3)Krigsman Marcus

(57) Abstract :
A back frame that includes a first part (12) and a second separate part (14) configured to disengagingly interlock at plural relative positions (24,30; 28,26) to define respective assembled configurations of the back frame of two or more distinct lengths, whereby the back frame is adjustable for wearers of different heights. The interlocking includes releasably interengaging the first and second parts by relatively moving the first and second parts in a first direction generally toward each other and then in a second direction generally perpendicular to the first direction. <fig. 1>

No. of Pages : 31 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/03/2018

(21) Application No.201847008088 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INFORMATION REGISTRATION AND AUTHENTICATION METHOD AND DEVICE

(51) International classification :H04L 9/14
(31) Priority Document No :20151060424 4.5
(32) Priority Date :21/09/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/098815
Filing Date :13/09/2016
(87) International Publication No :WO/2017/050147
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SUN, Yuanbo

(57) Abstract :
ABSTRACT INFORMATION REGISTRATION AND AUTHENTICATION METHOD AND DEVICE The present application discloses a method and a device for information registration and authentication. The registration method comprises: sending a request for registering standard information to an authentication server; receiving first authentication information fed back by the authentication server; generating a standard information acquisition request, sending the standard information acquisition request and the first authentication information to a security information application, and acquiring signed standard information and an identity identifier of the standard information that are returned by the security information application after the security information application approves authentication of the first authentication information, wherein the signed standard information is signed by the security information application using second authentication information; and sending the signed standard information, the identity identifier of the standard information, and the first authentication information to the authentication server, to cause the authentication server to register the standard information and the identity identifier of the standard information after the authentication server approves authentication of the first authentication information and approves authentication of the second authentication information according to the signed standard information. FIG. 1

No. of Pages : 51 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012761 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : OZONE WATER MANUFACTURING DEVICE

(51) International classification	:C02F 1/46 (2006.01)
(31) Priority Document No	:2015-179200
(32) Priority Date	:11/09/2015
(33) Name of priority country	:Japan
(86) International Application No Filing Date	:PCT/JP2016/076727 :06/09/2016
(87) International Publication No	:WO/2017/043657
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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1)OYAMA, Takashi
2)KATO, Masaaki
3)KOTANT, Yasuhiro

(57) Abstract :
The present invention provides a set of ozone water manufacturing device which can greatly reduce an unpleasant smell of ozone gas when ozone water is used for sterilizing hands and feet, and can save power consumption of a pump which operates for preventing stagnation of a water stream in an electrolytic bath. The ozone water manufacturing device includes an electrolytic bath and a mixer which atomizes air bubbles of the ozone gas in the ozone water flowing out of the electrolytic bath. Each of the electrode assemblies in an electrode unit within the electrolytic bath is inclined at the predetermined same angle in a vertical direction. The mixer includes a mixing case bottom and a mixing case main body. A vortex flow generating plate generates a violent water stream from the water stream within the mixing case main body. Fig. 2

No. of Pages : 29 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :04/04/2018

(21) Application No.201847012769 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHODS AND SYSTEMS FOR TREATING CARDIAC MALFUNCTION

(51) International classification :A61N 1/36 (2006.01)
(31) Priority Document No :62/217,299
(32) Priority Date :11/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051023
Filing Date :09/09/2016
(87) International Publication No :WO/2017044794
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)SHERMAN, Darren
3)BURKHOFF, Daniel

(57) Abstract :
Methods and systems for treating cardiac malfunction are disclosed, which according to an embodiment, may involve delivering a stimulation pattern of stimulation pulses to at least one cardiac chamber of a heart, with at least one of the stimulation pulses having a first stimulation setting configured to reduce at least one of end systolic volume (ESV) and end diastolic volume (EDV) in the heart and at least one of the stimulation pulses having a second stimulation setting different from the first stimulation setting, and with the stimulation pattern being configured to reduce the at least one of end systolic volume (ESV) and end diastolic volume (EDV) by at least 5% and maintain the at least one of end systolic volume (ESV) and end diastolic volume (EDV) on average at such reduced volume for a time period of at least one hour. [Figure 7]

No. of Pages : 29 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/02/2018

(21) Application No.201847004958 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SLEEPY LIGHT

(51) International classification :H05B33/08
(31) Priority Document No :15180849.0
(32) Priority Date :13/08/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/069179
Filing Date :11/08/2016
(87) International Publication No :WO/2017/ 025613
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)TROUWBORST, Marius, Leendert
2)MEERBEEK, Berent, Willem

(57) Abstract :
ABSTRACT SLEEPY LIGHT The invention provides a lighting device (100) comprising a first light source (10) and a second light source (20), a control system (50) configured to control the first light source (10) and the second light source (20), wherein the first light source (10) is configured to provide first light source light (11) having a correlated color temperature (CCT) of at maximum 3000 K and a color rendering index (CRI) of at least 75, and wherein the second light source (20) is configured to provide second light source light (21) having a dominant wavelength selected from the range of 575-780 nm and having a color rendering index of at maximum 70. Fig. 2

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/02/2018

(21) Application No.201847004959 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : MESH WLAN CONTROLLER, WLAN DEVICE AND OPERATING METHOD FOR WLAN PROVISIONING

(51) International classification :H04W 48/16
(31) Priority Document No :PCT/CN2015/086996
(32) Priority Date :14/08/2015
(33) Name of priority country :China
(86) International Application No :PCT/EP2016/068666
Filing Date :04/08/2016
(87) International Publication No :WO/2017/02 9123
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1) GE, Xiaodong
2)YAO, Jun

(57) Abstract :
ABSTRACT MESH WLAN CONTROLLER, WLAN DEVICE AND OPERATING METHOD FOR WLAN PROVISIONING A mesh WLAN controller (100) operates in mesh soft-access-point or mesh client modes. When operating in the mesh client mode it performs a mesh network scan, for detecting at least one mesh WLAN BSS (202), send mesh client access requests to mesh WLAN BSSs detected, and, if mesh client access is achieved, provide information indicative to the accessed WLAN BSSs of any other mesh WLAN BSS to which mesh client access is achieved, and if mesh client access is not achieved with any of the detected mesh WLAN BSSs, operate in the mesh soft-access-point mode. Upon receiving an instruction to operate in a mesh bridge-client mode, the controller detects messages from any of the mesh WLAN BSSs (204, 206) with mesh client access, and forwards the received mesh WLAN messages within any other of the mesh WLAN BSSs to which mesh client access has been achieved. Fig. 3

No. of Pages : 38 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/02/2018

(21) Application No.201847005164 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BOARD MOUNTED LED ARRAY

(51) International classification	:B41J2/44; B41J2/45;
(31) Priority Document No	:15181765.7
(32) Priority Date	:20/08/2015
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2016/069418 :16/08/2016
(87) International Publication No	:WO / 2017/ 29286
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1) VISSENBERG, Michel, Cornelis, Josephus, Marie
2)WONDERGEM - DE BEST, Anna, Wilhelmina, Maria

(57) Abstract :
ABSTRACT BOARD MOUNTED LED ARRAY A lighting device comprising a carrier board and an array of lighting elements mounted on the carrier board. The carrier board has a generally spiral shape and the carrier board can be tessellated with one or more identical other carrier boards with windings interleaved with each other. This enables multiple carrier boards to be formed from a single substrate with little or no waste of material. Different designs enable two, four or even more different identical carried board shapes to be tessellated together.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/02/2018

(21) Application No.201847005301 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POLYOLEFIN COMPOSITION COMPRISING HOLLOW GLASS MICROSPHERES

(51) International classification :C08L 23/10
(31) Priority Document No :15180983.7
(32) Priority Date :13/08/2018
(33) Name of priority country :EPO
(86) International Application No :PCT/US2016/046539
Filing Date :11/08/2016
(87) International Publication No :WO/2017/027700
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)WOLFF, Friedrich
3)GANGNUS, Bernd
4)FRIEDRICH, Stefan
5)DOERING, Marcel

(57) Abstract :
The invention relates to a composition that includes a polyolefin, hollow glass microspheres, a polar semicrystalline thermoplastic additive, and at least one of an impact modifier or a compatibilizer. Articles made from the composition, a method of making such an article by melt processing the composition, and the use of the composition are also disclosed.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013250 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : TECHNIQUES TO IDENTIFY A PROCESS CORNER

(51) International classification :G01R 31/28 (2006.01
(31) Priority Document No :62/232,486
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/049028
Filing Date :26/08/2016
(87) International Publication No :WO/2017/053006
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)PU,Yu
2)SAMSON, Giby
3)YUEN, Kendrick Hoy Leong

(57) Abstract :
Methods and apparatus for identifying a process corner are provided. Provided is an exemplary method for identifying a process corner of an integrated circuit (IC). The IC has a first asymmetrical ring oscillator (ARO1) including pull-up transistors that have a low threshold voltage (LVT) and pull-down transistors that have a regular threshold voltage (RVT), and has a second asymmetrical ring oscillator (ARO2) including pull-up transistors that have an RVT and pull-down transistors having an LVT. The exemplary method includes applying an ultra-low power supply voltage to the ARO1 and the ARO2 that causes the integrated circuit to operate near a verge of malfunction, measuring an output frequency of the ARO1, measuring an output frequency of the ARO2, calculating a calculated ratio of the output frequency of the ARO1 and the output frequency of the ARO2, and comparing the calculated ratio to a fiduciary ratio to identify the process corner.

No. of Pages : 38 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/04/2018

(21) Application No.201847013251 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AUTOMATIC OPERATION DETECTION ON PROTECTED FIELD WITH SUPPORT FOR FEDERATED SEARCH

(51) International classification	:G06F 21/62 (2013.01)
(31) Priority Document No	:62/245,608
(32) Priority Date	:23/10/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/058295 :21/10/2016
(87) International Publication No	:WO/2017/070599
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)WU, Jing
2)SULLIVAN, Blake
3)MCGRATH, Michael William
4)LU, Min

(57) Abstract :
Systems and methods are provided for automatic operation detection on protected fields. A data model configuration can be used to specify which attributes of a data model used by a cloud-based application are protected by a data security provider monitoring communications between the application and a client device. A determination can be made automatically which operations of the cloud-based application are supported for protected fields. The cloud-based application can be configured to enable/disable certain features, such as validators, auto complete, search operators, etc. according to whether the attributes are protected fields.

No. of Pages : 72 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201848013708 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PRIORITY SCHEDULING AND ADMISSION CONTROL IN A COMMUNICATION NETWORK

(51) International classification :H04L 12/56
(31) Priority Document No :60/973,137
(32) Priority Date :17/09/2007
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2008/076719
Filing Date :17/09/2008
(87) International Publication No :WO/2009/039204
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :975/CHENP/2010
Filed on :17/09/2008

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GOGIC, Aleksandar

(57) Abstract :
Abstract PRIORITY SCHEDULING AND ADMISSION CONTROL IN A COMMUNICATION NETWORK Techniques for performing priority scheduling and admission control in a communication network are described. In an aspect, data flows may be prioritized, and packets for data flows with progressively higher priority levels may be placed at points progressively closer to the head of a queue and may then experience progressively shorter queuing delays. In another aspect, a packet for a terminal may be transferred from a source cell to a target cell due to handoff and may be credited for the amount of time the packet has already waited in a queue at the source cell. In yet another aspect, all priority and non-priority data flows may be admitted if cell loading is light, only priority data flows may be admitted if the cell loading is heavy, and all priority data flows and certain non-priority data flows may be admitted if the cell loading is moderate.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/04/2018

(21) Application No.201848013709 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PRIORITY SCHEDULING AND ADMISSION CONTROL IN A COMMUNICATION NETWORK

(51) International classification :H04L 12/56
(31) Priority Document No :60/973,137
(32) Priority Date :17/09/2007
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2008/076719
Filing Date :17/09/2008
(87) International Publication No :WO/2009/039204
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :975/CHENP/2010
Filed on :17/09/2008

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(72)**Name of Inventor :**
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(57) Abstract :
Abstract PRIORITY SCHEDULING AND ADMISSION CONTROL IN A COMMUNICATION NETWORK Techniques for performing priority scheduling and admission control in a communication network are described. In an aspect, data flows may be prioritized, and packets for data flows with progressively higher priority levels may be placed at points progressively closer to the head of a queue and may then experience progressively shorter queuing delays. In another aspect, a packet for a terminal may be transferred from a source cell to a target cell due to handoff and may be credited for the amount of time the packet has already waited in a queue at the source cell. In yet another aspect, all priority and non-priority data flows may be admitted if cell loading is light, only priority data flows may be admitted if the cell loading is heavy, and all priority data flows and certain non-priority data flows may be admitted if the cell loading is moderate.

No. of Pages : 37 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006217 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LIGHTING CONTROL CIRCUIT AND METHOD FOR MULTIPLE LEDS

(51) International classification :H04Q 3/32
(31) Priority Document No :62/217,543
(32) Priority Date :11/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/EP2016/070733
Filing Date :02/11/2016
(87) International Publication No :WO2017/ 042101
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)PHILIPS LIGHTING HOLDING B.V.
Address of Applicant :High Tech Campus 45, 5656AE Eindhoven, The Netherlands. Netherlands
(72)**Name of Inventor :**
1)NG, Poh

(57) Abstract :
LIGHTING CONTROL CIRCUIT AND METHOD FOR MULTIPLE LEDS A lighting control circuit (10) for controlling a plurality of LEDs (24, 26). The lighting control circuit (10) includes a current source (12) coupleable to a first LED (20) and a second LED (22); a first switch (24) configured to switch from an open position to a closed position when driven by a first drive signal (V3), wherein the first switch (24) is positioned to interrupt current flow (Iout) through the first LED (20) when the first switch (24) is in the open position; a second switch (26) configured to switch from an open position to a closed position when driven by a second drive signal (V4), the second drive signal (V4) being temporally non-overlapping with respect to the first drive signal (V3), wherein the second switch (26) is positioned to interrupt current flow (Iout) through the second LED (22) when the second switch (30) is in the open position.

No. of Pages : 42 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/02/2018

(21) Application No.201847006312 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PORTABLE DEVICE DETECTION

(51) International classification	:H04M 1/00 (2006.01)
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/US2015/055926 :16/10/2015
(87) International Publication No	:WO/2017/065799
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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1)HOLUB, Patrick, Kevin
2)VAN WIEMEERSCH, John, Robert
3)SIDDIQUI, Adil, Nizam
4)GREENBERG, Jeffrey, Allen
5)IGNACZAK, Brad

(57) Abstract :
(EN)A plurality of transducers positioned at respective specified locations in a vehicle are actuated to generate a plurality of respective tones. A plurality of respective time differences are determined between times that each respective tone is generated by the respective transducer and the tone is detected by a portable device. A location of the portable device is determined based at least in part on the time differences. (FR)Selon linvention, une pluralit de transducteurs positionns des emplacements spcifis respectifs dans un vhicule sont activs pour gnrer une pluralit de tonalits respectives. Une pluralit dcarts de temps respectifs sont dtermins entre les moments o¹ chaque tonalit respective est gnre par le transducteur respectif, et la tonalit est dtecte par un dispositif portatif. Un emplacement du dispositif portatif est dtermin sur la base, au moins en partie, desdits carts de temps.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :28/03/2018

(21) Application No.201847011488 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROVIDING MEMORY MANAGEMENT FUNCTIONALITY USING AGGREGATED MEMORY MANAGEMENT UNITS (MMUS) •

(51) International classification :G06F 12/1027
(31) Priority Document No :14/866,228
(32) Priority Date :25/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051254
Filing Date :12/09/2016
(87) International Publication No :WO/2017/053112
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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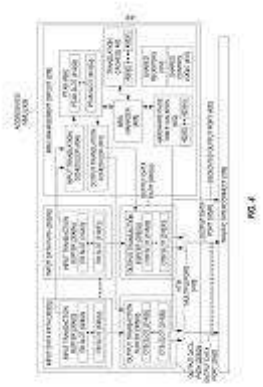
1)GADELRAB, Serag, Monie
2) PODAIMA, Jason, Edwar
3) LIU, Ruolon
4)MIRETSKY, Alexande
5)WIERCIENSKI, Paul, Christopher, John
6)ERNEWEIN, Kyle, John
7) MOREIRA, Carlos, Javie
8)BOOTH, Simon, Peter, William
9)VARIA, Meghal
10)DRYBURGH, Thomas, David

(57) Abstract :
Providing memory management functionality using aggregated memory management units (MMUs), and related apparatuses and methods are disclosed. In one aspect, an aggregated MMU is provided, comprising a plurality of input data paths including each including plurality of input transaction buffers, and a plurality of output paths each including a plurality of output transaction buffers. Some aspects of the aggregated MMU additionally provide one or more translation caches and/or one or more hardware page table walkers The aggregated MMU further includes an MMU management circuit configured to retrieve a memory address translation request (MATR) from an input transaction buffer, perform a memory address translation operation based on the MATR to generate a translated memory address field (TMAF), and provide the TMAF to an output transaction buffer. The aggregated MMU also provides a plurality of output data paths, each configured to output transactions with resulting memory address translations. fig-4



No. of Pages : 65 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007147 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LED TUBE LAMP

(51) International classification :H05B 33/08
(31) Priority Document No :15184433.9
(32) Priority Date :09/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/071153
Filing Date :08/09/2016
(87) International Publication No :WO/2017/042255
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ZIJLSTRA, Patrick, John
2)DE JONGH, Frits, Tobi
3)TAO, Haimin

(57) Abstract :
ABSTRACT LED TUBE LAMP The invention describes an LED tube lamp (1) realized for use with a high-frequency ballast (2), which LED tube lamp (1) comprises an LED arrangement (100); a driver (10) realized to drive the LED arrangement (100); and a first connecting terminal pair (11, 12) for connecting to first outputs (21, 22) of the high-frequency ballast (1) and a second connecting terminal pair (13, 14) for connecting to second outputs (23, 24) of the high-frequency ballast (2), and wherein the LED tube lamp (1) is characterized by a magnetically coupled inductor pair (Ln, L12) comprising a first inductor (L11) in series with one terminal (11) of the first connecting terminal pair (11, 12) and a second inductor (L12) in series with the other terminal (12) of the first connecting terminal pair (11, 12). The invention further describes a LED tube lighting arrangement (3). Fig. 1

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :26/02/2018

(21) Application No.201847007148 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF 1,4-BUTANEDIOL AND TETRAHYDROFURAN FROM FURAN

(51) International classification :C07D 307/08
(31) Priority Document No :15184742.3
(32) Priority Date :10/09/2015
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2016/071221
Filing Date :08/09/2016
(87) International Publication No :WO/2017/042289
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)WADMAN, Sipke, Hidde
2)LANGE, Jean Paul, Andre, Marie, Joseph, Ghislain

(57) Abstract :
PROCESS FOR THE PRODUCTION OF 1,4-BUTANEDIOL AND TETRAHYDROFURAN FROM FURAN ABSTRACT The present invention provides a process for the production of 1,4-BDO and THF from furan, said process comprising : (i) contacting furan with hydrogen and water in a reactor in the presence of a catalytic composition, wherein the furan and water are contacted in the presence of a solvent, said solvent being selected from one or more of THF, 1,4-BDO and NBA, and converting at least a portion of said furan to 1,4-BDO and THF; (ii) producing a reactor product stream comprising gases, water, THF, 1,4-BDO and furan; (iii) separating gases from the reactor product stream; (iv) then separating at least a portion of each of the THF and 1,4-BDO from said reactor product stream; and (v) recycling the remainder of the reactor product stream, comprising water, optionally furan, and at least one of THF, 1,4-BDO and NBA, to the reactor.

No. of Pages : 18 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/03/2018

(21) Application No.201847008897 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AUTHENTICATION METHOD, APPARATUS AND SYSTEM USED IN QUANTUM KEY DISTRIBUTION PROCESS

(51) International classification	:H04L 29/06
(31) Priority Document No	:201510509537.5
(32) Priority Date	:18/08/2015
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/US2016/047398 :17/08/2016
(87) International Publication No	:WO/2017/031228
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)FU, Yingfang

(57) Abstract :
The present application discloses an authentication method used in a QKD process, and further discloses additional authentication methods and corresponding apparatuses, as well as an authentication system The method comprises: selecting, by a transmitter according to a basis selection rule, a basis of preparation for transmitter authentication information that is generated with a first pre-provisioned algorithm and varies dynamically, and transmitting quantum states containing key information and the transmitter authentication information; and measuring, by a receiver, quantum states of the transmitter authentication information according to the basis selection rule, and ending the QKO process if a measurement result is inconsistent with corresponding information calculated with the first pre-provisioned algorithm. [Figure 12]

No. of Pages : 59 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/03/2018
(21) Application No.201847009255 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PAPER SHEET HANDLING APPARATUS AND PAPER SHEET HANDLING METHOD

(51) International classification :G07D 9/00
(31) Priority Document No :2015-183329
(32) Priority Date :16/09/2015
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2016/077113
Filing Date :14/09/2016
(87) International Publication No :WO/2017/047642
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)MORIBAYASHI, Shigenori
2)MIYAMA, Yoshihiko
3)HAYASHI, Masao

(57) Abstract :
One object is to acquire from a paper sheet circulating in the market data for updating the data for recognition. A paper sheet handling apparatus used for recognizing a paper sheet and the like includes a recognition unit that recognizes a paper sheet, an operation unit for instructing execution of a data collection processing, and a control unit that controls, in the data collection processing that is executed after an instruction operation is performed by using the operation unit, data from a paper sheet that is not correctly recognized by the recognition unit, and a memory that stores therein the data collected by the control unit. FIG.1

No. of Pages : 64 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/12/2017

(21) Application No.201747044848 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : LAUNDRY METHOD USE OF POLYPEPTIDE AND DETERGENT COMPOSITION

(51) International classification :C11D3/386
(31) Priority Document No :PA 2015 00622
(32) Priority Date :09/10/2015
(33) Name of priority country :Denmark
(86) International Application No :PCT/EP2016/074171
Filing Date :10/10/2016
(87) International Publication No :WO 2017/060518
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)GORI, Klaus

(57) Abstract :
The present invention concerns a method for laundering a textile the use of an enzyme having DNase activity and a detergent composition comprising an enzyme having deoxyribonuclease (DNase) activity.

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/02/2018

(21) Application No.201847004253 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : REDOX FLOW CELL FOR STORING ELECTRICAL ENERGY AND USE THEREOF

(51) International classification :H01M 12/00
(31) Priority Document No :10 2015 010 083.1
(32) Priority Date :07/08/2015
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2016/001338
Filing Date :03/08/2016
(87) International Publication No :WO 2017/025177 A1
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FRIEDRICH-SCHILLERUNIVERSIT„T JENA
(72)**Name of Inventor :**
1)SCHUBERT, Ulrich Sigmar
2)JANOSCHKA, Tobias
3)MARTIN, Norbert

(57) Abstract :
Redox flow cell for storing electrical energy and use thereof Disclosed is a cost-effective and long-living redox flow cell using less corrosive redox-active components. The redox flow cell comprises a reaction cell having two electrode chambers for catholyte and anolyte, which are each connected to at least one store for liquid and are separated by an ion-conducting membrane, and which are equipped with electrodes, wherein the electrode chambers are each filled with electrolyte solutions comprising redox-active components disolved or dispersed in an electrolyte solvent, as well as optionally conducting salts dissolved therein and optionally further additives. The redox flow cell is characterized by the anolyte comprising a redox-active component having one to six residues of formula I in the molecule or having one to six residues of formula IE in the molecule and by the catholyte comprising a redox-active component having one to six residues of formula III in the molecule or having iron salts or by the anolyte and the catholyte having a redox-active component comprising one to six residues of formula I or of formula II in combination with one to six residues of formula III in the molecule

No. of Pages : 86 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/02/2018

(21) Application No.201847004354 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ENHANCED LANE BEHAVIOR DETECTION

(51) International classification :B60W 30/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2015/056340
Filing Date :20/10/2015
(87) International Publication No :WO/2017/069733
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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2)TONSHAL, Basavaraj
3)CHEN, Yifan
4)KOLISETTY, Padma, Aiswarya
5)YANG, HsinHsiang

(57) Abstract :
A lane behavior detection value that is a measure of wrist movement of a vehicle occupant is determined. A mechanism in a wearable device is actuated when the lane behavior detection value exceeds a threshold.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/01/2018

(21) Application No.201847002264 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PETROLATUM-BASED COMPOSITIONS COMPRISING CATIONIC BIOCIDES

(51) International classification	:A61K 47/06 ; A61K 47
(31) Priority Document No	:62/182,034
(32) Priority Date	:19/06/2015
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2016/034740 :27/05/2016
(87) International Publication No	:WO2016/2 04958
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)BURNAM, Bradley

(57) Abstract :
PETROLATUM-BASED COMPOSITIONS COMPRISING CATIONIC BIOCIDES • ABSTRACT The disclosure provides stable formulations of cationic biocides that are primarily used in the treatment and prevention of infections. The disclosure is also concerned with processes for forming stable emulsions of cationic biocides and petrolatum.

No. of Pages : 44 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/01/2018

(21) Application No.201847002272 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : PETROLATUM-BASED DELIVERY SYSTEMS AND FOR ACTIVE INGREDIENTS

(51) International classification :A61K 47/06
(31) Priority Document No :62/182,034
(32) Priority Date :19/05/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/034747
Filing Date :27/05/2016
(87) International Publication No :WO/2016/204959
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)BURNAM, Bradley

(57) Abstract :
PETROLATUM-BASED DELIVERY SYSTEMS AND FOR ACTIVE INGREDIENTS • ABSTRACT The present disclosure is broadly concerned with petrolatum-based compositions as a suspension matrix for the active ingredients. The disclosure is also concerned with processes for forming stable emulsions of active ingredients in petrolatum.

No. of Pages : 57 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/01/2018

(21) Application No.201847002369 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : METHOD FOR PREPARING PYRAZOLECARBOXYLIC ACID DERIVATIVE, AND INTERMEDIATE THEREOF

(51) International classification :C07D 231/12
(31) Priority Document No :201510348921.1
(32) Priority Date :19/06/2015
(33) Name of priority country :China
(86) International Application No :PCT/CN2016/085814
Filing Date :15/06/2016
(87) International Publication No :WO/2016/202254
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)SHAO, Hongming
2)HE, Renbao
3)JIN, Yizhong
4)WANG, Lei

(57) Abstract :
Provided are a preparation method for synthesizing a pyrazolecarboxylic acid derivative of the following formula (I), which is suitable for industrial production, and an intermediate as shown by the following formula (II). The method is high in reaction yield in each step, low in waste gas and waste water and low in cost, and requires no special reaction equipment.

No. of Pages : 66 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/11/2017

(21) Application No.201747042743 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ADENOASSOCIATED VIRUS VECTORS FOR THE TREATMENT OF MUCOPOLYSACCHARIDOSES

(51) International classification :C12N 9/16
(31) Priority Document No :15382297.8
(32) Priority Date :05/06/2015
(33) Name of priority country :EUROPEAN UNION
(86) International Application No :PCT/EP2016/062655
Filing Date :03/06/2016
(87) International Publication No :WO/2016/193431
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)BOSCH TUBERT, Maria F¡tima
2)AREBA HAURIGOT, Virginia
3)MOTAS MALLOL, Sandra

(57) Abstract :
The present invention provides new Adeno-associated virus-derivedvectors and pharmaceutical compositions containing the same for the treatment of lysosomal storage disordersand specially, for the treatment of mucopolysaccharidoses Type II.

No. of Pages : 69 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/01/2018

(21) Application No.201847002566 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DRIVE PLANNING DEVICE, TRAVEL ASSISTANCE APPARATUS, AND DRIVE PLANNING METHOD

(51) International classification	:G08G1/00,G08G1/16
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/JP2015/070747 :21/07/2015
(87) International Publication No	:WO 2017/013749
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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Address of Applicant :2, Takara-cho, Kanagawa-ku, Yokohama-shi, Kanagawa 2210023, Japan Japan
(72)**Name of Inventor :**
1)AOKI, Motonobu
2)FUJIKI, Noriaki
3)FUJITA, Susumu
4)NISHIRA, Hikaru

(57) Abstract :
The present invention comprises a driving plan processor 21 that drafts a driving plan for a vehicle V1 traveling a path. The present invention determines one action for each of a plurality of events that the vehicle V1 encounters chronologically during travel along a first path uses the details for each action determined for each event and drafts a series of driving plans for scenes encountered by the vehicle V1.

No. of Pages : 72 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2018

(21) Application No.201847002656 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DUTY CYCLE-BASED POWER CONTROL SCHEME FOR SATELLITE COMMUNICATION

(51) International classification :H04B 7/185
(31) Priority Document No :62/219,111
(32) Priority Date :15/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/051096
Filing Date :09/09/2016
(87) International Publication No :WO/2017/048602
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
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(72)**Name of Inventor :**
1)SCIPIONE, MARIO MARK
2)MARSH, GENE WESLEY
3)VASSILOVSKI, DAN

(57) Abstract :
Various aspects of the disclosure relate to controlling the transmit power of a satellite by controlling a duty cycle associated with satellite transmission. In some implementations, a satellite network portal (SNP) may send waveforms to a satellite that relays the waveforms to user terminals (UTs). The SNP may control the duty cycle of the waveform transmission (e.g., by transmitting on a subset of a subframe) to thereby control an average transmission power of the satellite when the satellite transmits to the UTs. In some implementations, a satellite or UT may control the duty cycle of transmission by the satellite (e.g., by transmitting on a subset of a subframe) to thereby control an average transmission power of the satellite when the satellite transmits.

No. of Pages : 75 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2018

(21) Application No.201847002661 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : INTEGRATED CIRCUIT ADAPTIVE VOLTAGE SCALING WITH DE AGING

(51) International classification :G01R31/317,G01R31/28
(31) Priority Document No :14/850,801
(32) Priority Date :10/09/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/042353
Filing Date :14/07/2016
(87) International Publication No :WO 2017/044190
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)QUALCOMM INCORPORATED
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(72)**Name of Inventor :**
1)KAKOEE, Mohammad Reza
2)HU, Shih Hsin Jason
3)CHEN, Min
4)IBRAHIMOVIC, Jasmin Smaila
5)AUYON, Carlos
6)DOBRE, Sorin Adrian
7)TOOSIZADEH, Navid
8)CHEN, Nan
9)ALLAM, Mohamed Waleed

(57) Abstract :
An integrated circuit compensates for circuit aging by measuring the aging with an aging sensor and controlling a supply voltage based on the measured aging. The operating environment for the aging sensor can be set to reduce impacts of non aging effects on the measured aging. For example the operating environment can use a temperature inversion voltage. An initial aging measurement value which is the difference between an initial aged measurement and an initial unaged measurement can be stored on the integrated circuit. A core power reduction controller can use the measured aging and the stored initial aging measurement value to update a performance sensor target value and then perform adaptive voltage scaling using the using the updated performance sensor target value.

No. of Pages : 16 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :23/01/2018

(21) Application No.201847002694 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : POLYURETHANE FIBER INCLUDING COPOLYMER POLYOL

(51) International classification :D01F 6/70
(31) Priority Document No :62/187,048
(32) Priority Date :30/06/2015
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2016/040026
Filing Date :29/06/2016
(87) International Publication No :WO/2017/004162
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)INVISTA NORTH AMERICA S.A.R.L.
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(72)**Name of Inventor :**
1)LIU, Hong
2)BIVIGOU-KOUMBA, Achille M.
3)D'ALLURA, Norman J.
4)LIAO, Tianyi
5)BLAB, Andreas Juergen
6)BING-WO, Ronald D.

(57) Abstract :
Fibers including a polyurethaneurea that is the reaction product of (a) a prepolymer including the reaction product of (i) a polyol including a copolymer of tetrahydrofuran and 3-methyltetrahydrofuran having a number average molecular weight of 1000 to 2000 and (ii) a diisocyanate; and (b) a chain extender, and fabrics and hygiene articles including such fibers.

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201631034219 A
(19) INDIA
(22) Date of filing of Application :06/10/2016
(43) Publication Date : 13/04/2018

(54) Title of the invention : FOLDABLE WINGED ORNITHOPTER

(51) International classification	:B64C 33/00, B64C 5/00, A63H 27/00	(71)**Name of Applicant :** **1)NIT ROURKELA** Address of Applicant :NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA, SECTOR-1, ROURKELA, 769008; DISTRICT: SUNDERGARH, ODISHA, INDIA
(31) Priority Document No	:NA	(72)**Name of Inventor :**
(32) Priority Date	:NA	**1)PRADHAN DEBENDRA**
(33) Name of priority country	:NA	**2)SWAIN BISWAJIT**
(86) International Application No	:NA	**3)ROY HARAPRASAD**
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The foldable winged ornithopter could decipher the flight of a real aerial bird, which comprises a main frame, a gear box, two foldable flapping wings and separate head-tell movement mechanism. As the name suggests, the wing consists of two portions i.e. fore and aft section with coordinated movements for lift and flight stability thus mimicking a real bird. The motion of the wings is provided by a special type four bar linkages with a node fixed and actuated by a motor driven crank via an optimized gear box. The aerofoil cross section of the wing with light weight foam covering provides lift during wing beat. A micro servo motor is attached to each trailing edge of the wing to twist the wing leading frame so as to generate a positive angle of attack and Better surge motion is achieved by pushing air backwards. The significant upthrust resulting from the quick return mechanism of the gear box enables faster achievement of altitude (i.e. faster flight take off) in comparison with the surge distance. The maneuverability is achieved by a combined motion of gliding and sailing through air. In order to achieve well synchronize head-tail movement, two servo motors are utilized, such that the head always points in the direction where the ornithopter moves.

No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201631034242 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : FORMULATION OF POLYMER NICOTINE CONJUGATES

(51) International classification	:A61K 47/00, A61K 31/00, A61K 9/00	(71)**Name of Applicant :** **1)INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI** Address of Applicant :INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI, GUWAHATI, ASSAM, INDIA - 781 039
(31) Priority Document No	:NA	(72)**Name of Inventor :** **1)KATIYAR VIMAL**
(32) Priority Date	:NA	**2)MILI MEDHA**
(33) Name of priority country	:NA	**3)GUPTA ARVIND**
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present invention discloses a formulation of in-situ metal-free polymer nicotine conjugates. In particular, this invention deals with the utilization of nicotine as an initiator enabling the synthesis of polylactone nicotine conjugates via ring opening polymerization of lactone monomers performed in both bulk and solution or in sequential arrangement of both medium. The formulated polylactone nicotine conjugates synthesized are purely metal-free and are found to release nicotine on its treatment under thermal or liquid state. Thus, the present invention overcomes the metal removal problem by formulating a purely organo-based product which can prove to be very useful for the release of nicotine which can be useful to prepare synthetic cigarettes which will provide reduced toxins upon its release under heat. Further, polylactone nicotine conjugates can be widely used in biomedical applications such as drug delivery purposes. Thus, this formulation is useful in Tobacco industries because of its characteristic- release of the nicotine from possible developed cigarettes using above formulations.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201631034260 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A CYCLONE FOR DENSE MEDIUM SEPARATION OF COARSE COAL TO INCREASE CLEAN COAL YIELD IN A COAL BENEFICATION PROCESS

(51) International classification	:B04C 5/00, B04C 3/00, B03B 5/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)ARIJIT DAS
2)A. K. MUKHERJEE

(57) Abstract :
The invention relates to a cyclone for dense medium separation of coarse coal to increase clean coal yield in a coal benefication process, comprising a feed inlet involute, a vortex finder that extends longitudinally towards the spigot of the cyclone along the centre-line of cyclone, an overflow outlet connecting the vortex finder for taking out the lighter density fractions, and a curved outer shell of the cyclone and spigot at the bottom of the cyclone along the cyclone longitudinal axis for taking out the denser particles from the cyclone, wherein a taper is the range of 5-10 degree with respect to the cyclone longitudinal axis extends from the root of the up to the lower end of the feed inlet involute to merge into the outer shell of the cyclone, wherein a curved shell of radius of curvature 5100-5800mm is provided after the feed inlet which extends longitudinally towards the spigot of the cyclone and merging with the starting section of the spigot, and wherein the tangential feed inlet ext ends horizontally in scrolled involute manner before entering the cyclone body tangentially and merging into the upper end of the cyclone shell.

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :06/10/2016

(21) Application No.201631034314 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A MECHANICAL DESCALER IN WIRE ROD DRAWING PLANT TO REMOVE OXIDE LAYERS ON OUTER SURFACE OF HOT ROLLED WIRE RODS

(51) International classification	:F16H 55/00, B21B 45/00, B21C 47/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)DHANJEE KUMAR MAHTO
2)PINDER SINGH MANDLEY

(57) Abstract :
The invention relates to a mechanical descaler in wire rod drawing plant to remove oxide layers on outer surface of hot rolled wire rods, comprising a plurality of pulley assemblies (10,11,12) mounted on a metallic frame (13), wherein the plane of the first and third pulley assemblies (10,12) disposed from the horizontal plane at an angle (), wherein the second pulley assembly (11) is at an angle (3) with respect to the horizontal plane, wherein the wire rods passing over the first pulley assembly (10) at a contact angle of about 1800, wherein the orientation of the second pulley assembly (11) is selected with respect to the first pulley assembly (10) such that the center point of the tension and compression zone of the first pulley assembly (10) is separated by 1200 from the second pulley assembly (11), and wherein the center point of tension and compression zone of the second pulley assembly (11) is separated by 1200 from that of the third pulley assembly (12), the contact angle by the second and third pulley assembly (11,12) with the wire-rod being 180.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201631034406 A
(19) INDIA
(22) Date of filing of Application :07/10/2016
(43) Publication Date : 13/04/2018

(54) Title of the invention : A BENEFICIATION PROCESS OF COKING COAL FINES (-0.5 MM) TO ACHIEVE AN YIELD WITH ACCEPTABLE ASH VALUE (14-15%)

(51) International classification	:B03D 1/00, B03D 3/00, B03B 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SONI JAISWAL

(57) Abstract :
The invention relates to a beneficiation process for coking coal fines of size less than 0.5 mm having fixed carbon content of more than 50%, the process comprising; mixing coal and water for a fixed time in the cell of a mechanical flotation machine by rotating the agitator at a fixed speed and adding coal tar or wash oil in a fixed dosage to the slurry; mixing the slurry again for a fixed period after which a frother is added to the mixture followed by further mixing for a fixed time span; blowing air through the cell to form a froth which is collected in a separate tray with a scraper for a fixed time period; and slopping the air flow and rotation of the agitator and recovering the slurry left in the cell .

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016
(21) Application No.201631034409 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : AN APPARATUS AND METHODOLOGY FOR FLUORINE AND IRON REMOVAL FROM GROUNDWATER

(51) International classification	:C02F 1/00, C02F 9/00, B01D 24/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)SISIR KANTI ACHARYYA
2)ODISSI ACHARYA
3)ABROSIMOV MICHAIL VIKTOROVICH

(57) Abstract :
An apparatus for removal of fluorine and iron from groundwater comprises: a feed pump (1) for feeding contaminated water into the contact tank (2), through a pipeline wherein aluminium sulphate solution has been added; the contact tank (2) has been connected with a filtration unit (4) comprising of a battery and filtering sand or quartz sand bed; said contact tank (2) further attached with a reagent solution preparation and dosing units (3); an overhead reservoir (OHR) (5), wherein purified water is stored and supplied to the consumers by gravity.

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016

(21) Application No.201631034430 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : A GRAPPLE ATTACHMENT FOR GRABBING, HOLDING AND MANIPULATING AN ELONGATED OBJECT

(51) International classification	:E02F 3/00, B66C 1/00, B66C 3/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)Hayllor Nicholas Ian
2)Das Samir
3)Arora Sanjeev

(57) Abstract :
A grapple attachment for grabbing, holding and manipulating an elongated object is disclosed. The grapple attachment is provided with detachable and lockable pivot pins which further help to mount the grapple attachment on a vehicle. The grapple attachment provided with a grab assembly which comprises a stationary first clamp and a movable second clamp to secure and release the object. The grab assembly is mounted on a beam structure and provided with an actuator that controls movement of the clamps. A support structure is pivotally connected to the beam structure with a swivel assembly. The support structure consists of a master actuator to rotate the beam structure about the swivel assembly. The swivel motion of the beam structure with respect to the support structure through swivel assembly and actuation of the clamps through actuator may be controlled from inside a cabin of the earthmoving equipment.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/10/2017

(21) Application No.201734034895 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : BEARING ELEMENT SUITABLE FOR SUPPORTING A GRINDING TABLE IN A ROLLER MILL

(51) International classification :B02C23/02
(31) Priority Document No :10 2016 119 377.1
(32) Priority Date :12/10/2016
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)HOFFMANN, Dirk
2)FRANKENBERGER, Ralf
3)SCHÜTTE, Karl-Heinz

(57) Abstract :
The present invention relates to a bearing element suitable for supporting a grinding disk in a roller mill, comprising a plate-like or disk-shaped base element (14), an annular disk (16) and a spacer element (18), wherein the annular disk (16) is disposed substantially parallel to the base element (14) and at a distance from the base element (14), and is connected at its bottom using an annular spacer element (18) with the base element (14), and the annular disk (16) has means (20) on its upper side for receiving the axial bearing segments (12), whereby the spacer element (18) is designed as an annular strip extending in the axial direction and has a plurality of spaced-apart arches (22) in the circumferential direction, whose openings (24) point towards the base element (14).

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :05/10/2017

(21) Application No.201734035318 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DIGITAL SIGNAL INPUT CIRCUIT

(51) International classification :H01L31/12
(31) Priority Document No :201610879680.8
(32) Priority Date :09/10/2016
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)LI, Jianzhao

(57) Abstract :
Embodiments of the present invention disclose a digital signal input circuit. The circuit includes an isolating circuit and a voltage determining circuit, where a first port of an input end of the isolating circuit is connected to an input end of a digital signal, an output end of the isolating circuit is connected to an output end of the digital signal, and when the isolating circuit is open, the isolating circuit is configured to output a first level, or when the isolating circuit is closed, the isolating circuit is configured to output a second level; and an input end of the voltage determining circuit is connected to the input end of the digital signal, an output end of the voltage determining circuit is connected to a second port of the input end of the isolating circuit, and the voltage determining circuit is configured to determine, according to a level of the digital signal, whether the isolating circuit is open or closed. According to the digital signal input circuit, the voltage determining circuit determines a level of a digital signal, so as to avoid determining of a level of a digital signal by means of a light emitting diode in the prior art. In this way, correctness of digital signal level conversion is increased.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2017

(21) Application No.201734035635 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ANGLED SYRINGE PATCH INJECTOR

(51) International classification	:A61M5/28 A61M5/31 A61M5/32
(31) Priority Document No	:15/289,424
(32) Priority Date	:10/10/2016
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
1)Paul H. NORTON
2)Oz CABIRI
3)Ran HEZKIAHU
4)Richard BROUGH
5)Tal HAMMER

(57) Abstract :
A cartridge comprising a reservoir part and an extension extending from said reservoir part, said extension defining a fluid path and comprising a molding and a first needle extending from said molding, the extension turning to a finite angle with respect to an axis of said reservoir part and wherein at least part of said first needle is likewise at said finite angle, at least some of said part of said first needle at said finite angle being enclosed within said molding of said fluid path. A drug delivery device may be used with the cartridge and includes a skin-contacting surface. In use, the longitudinal axis of the interior of the cartridge may be disposed substantially parallel to the skin-contacting surface.

No. of Pages : 75 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2017

(21) Application No.201734035990 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : CAPACITORS IN GROOVES

(51) International classification :H01G4/12
(31) Priority Document No :1617276.9
(32) Priority Date :11/10/2016
(33) Name of priority country :U.K.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)TOPPING, Alexander, John

(57) Abstract :
An energy storage device comprising a substrate comprising a series of grooves. Each groove having a first and a second face. Wherein there is a capacitor material in each groove of the series of grooves.

No. of Pages : 57 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/10/2017

(21) Application No.201734035991 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ENERGY STORAGE

(51) International classification :H01G11/10
(31) Priority Document No :1617276.9
(32) Priority Date :11/10/2016
(33) Name of priority country :U.K.
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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(57) Abstract :
An energy storage device comprising a substrate comprising a groove having a first and a second face. A capacitor material in the groove. The first and the second face of the groove having a coat of metal. Wherein the coat of metal on the first face is not in electrical contact with the coat of metal on the second face. Fig. 1a

No. of Pages : 58 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/09/2017

(21) Application No.201737033985 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : DEVICE TO BE CHARGED AND CHARGING METHOD

(51) International classification :H02J50/10
(31) Priority Document No :PCT/CN2016/101944
(32) Priority Date :12/10/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/074825
Filing Date :24/02/2017
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)ZHANG, JUN
4)CHEN, SHEBIAO
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(57) Abstract :
The present disclosure provides a device to be charged and a charging method. The device to be charged includes: a charging interface; a first charging circuit, coupled with the charging interface, configured to receive an output voltage and an output current of an adapter via the charging interface and to directly apply the output voltage and the output current of the adapter to both ends of a plurality of battery cells coupled in series in the device to be charged, so as to perform a direct charging on the plurality of battery cells. With the present disclosure, heat generated in the charging process can be reduced while ensuring the charging speed.

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/09/2017

(21) Application No.201734032548 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : SCREW TO BE USED IN AN EXTRUDER AND EXTRUDER

(51) International classification :B65G33/00
(31) Priority Document No :10 2016 011 978.0
(32) Priority Date :10/10/2016
(33) Name of priority country :Germany
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The invention refers to a screw to be used in an extruder and to an extruder having such a screw, in particular to a screw to be used in a multiple-screw extruder and to a multiple-screw extruder. In the state of the art, screws are often constructed of segments which are borne on a mandrel and axially braced with respect to one another. For being able to transmit the torque to the segments during use of the screw within the extruder cylinder, there are positively engaging connections between the mandrel and the segments. The present invention instead proposes to use an additional connecting element directly leading from one segment to the next in order to relieve the mandrel.

No. of Pages : 33 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :07/10/2016
(21) Application No.201631034444 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ANTIMALARIAL PROPERTIES OF EXTRACTS OF ERAGROSTIS TENELLA, FORMULATION AND PROCESS THEREOF

(51) International classification	:A61K 31/00, A61K 36/00, A61K 39/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
The present invention discloses an herbal formulation for inhibiting protozoan parasite infection comprising: 0.1 to 50% by weight of whole or parts or refined extracts of whole or parts of Eragrostis tenella and a process of preparing the same. The invention also discloses the method of management of malaria including malaria caused by both sensitive and resistant strains and hence prevents relapse of the disease.

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/10/2016
(21) Application No.201631034554 A
(43) Publication Date : 13/04/2018

(54) Title of the invention : ULTRASONIC PROBE FOR AUTOMATED NON-CONTACT THICKNESS PROFILING OF PEENED DUCTILE IRON PIPES

(51) International classification	:G01N 29/00, G01S 15/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(72)**Name of Inventor :**
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2)Shivanandan S. Indimath
3)Monojit Dutta
4)R Shunmuga Sundaram

(57) Abstract :
The present disclosure describes an arrangement for measuring thickness at a point on DI pipe and subsequently thickness of the entire DI pipe. The arrangement comprises an ultrasonic probe positioned above a subject DI pipe having a peened surface, the focus of the ultrasonic probe being greater than the distance between two consecutive crests or troughs of the peened surface, a constant thin liquid film maintained between the subject DI pipe and the ultrasonic probe, the ultrasonic waves being decomposed into perpendicular and non-perpendicular components after impinge over the peened surface through the liquid film, the perpendicular and non-perpendicular components being reflected back to the ultrasonic probe from thickness end of the subject pipe, the perpendicular and non-perpendicular components being considered for thickness measurement and the ultrasonic probe being coupled to a computable device for processing the ultrasonic data for thickness calculation.

No. of Pages : 15 No. of Claims : 2

WEEKLY ISSUED FER (DELHI)

SNO	LOCATION	APPLICATION NUMBER	FER DATE	ADDRESS FOR SERVICE	EMAIL
1	DELHI	509/DELNP/2011	02/04/2018 00:00:00	JOTWANI ASSOCIATES IN/PA-359; PATENT ATTORNEY 81 NATIONAL PARK LAJPAT NAGAR IV NEW DELHI-110024	contact@jotwani.com
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3	DELHI	8790/DELNP/2010	02/04/2018 00:00:00	MOUTUSHI BHOWMIK SUBRAMANIAM, NATARAJ & ASSOCIATES ATTORNEYS-AT-LAW PATENT AND TRADE MARK ATTORNEYS E-556, GREATER KAILASH II NEW DELHI 110 048	sna@vsnl.com,docket.sna@gmail.com, sna@sna-ip.com
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8	DELHI	6509/DELNP/2011	02/04/2018 00:00:00	ROBIN MARK GROSER GROSER & GROSER, PATENT AND TRADE MARK ATTORNEYS, OF D - 1/5 DLF QUTAB ENCLAVE, PHASE I, GURGAON, INDIA.	kevin@groserandgroser.com
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19	DELHI	483/DEL/2007	02/04/2018 00:00:00	K&S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS 109, SECTOR 44, GURGAON 122003, NATIONAL CAPITAL REGION, INDIA	ipo@knspartners.com
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23	DELHI	2820/DELNP/2011	02/04/2018 00:00:00	SAMITA KAP0OR ABU-GHAZALEH INTELLECTUAL PROPERTY TMP AGENTS INDIA PVT. LTD. 3RD FLOOR, HL ARCADE NEAR HDFC BANK PLOT NO. 14, SECTOR-V (MLU) DWARKA NEW DELHI-110075	skapoor@agip.com,india@agip.com

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27	DELHI	5603/DELNP/2014	02/04/2018 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
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71	DELHI	2992/DELNP/2014	03/04/2018 00:00:00	LEX ORBIS Intellectual Property Practice 709/710 Tolstoy House 15 17 Tolstoy Marg	manisha@lexorbis.com
72	DELHI	9897/DELNP/2012	04/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109 Sector 44 Gurgaon 122003 National Capital Region India	ipo@knspartners.com,gurgaon@knspartners.com
73	DELHI	1541/DELNP/2011	04/04/2018 00:00:00	MALATHI LAKSHMIKUMARAN LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com
74	DELHI	2607/DELNP/2011	04/04/2018 00:00:00	SUMIT ARORA AMARCHAND & MANGALDAS & SURESH A. SHROFF & CO. AMARCHAND TOWERS 216 OKHLA INDUSTRIAL ESTATE PHASE III NEW DELHI 110020	dev.robinson@amarchand.com
75	DELHI	2087/DEL/2012	04/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
76	DELHI	5394/DELNP/2011	04/04/2018 00:00:00	MALATHI LAKSHMIKUMARAN LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com

77	DELHI	6672/DELNP/2012	04/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27 Gurgaon 122009	remfry-sagar@remfry.com
78	DELHI	3070/DELNP/2014	04/04/2018 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	anandandanand@vsnl.com,anandandanand@vsnl.com
79	DELHI	2137/DELNP/2011	04/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 002, INDIA.	remfry-sagar@remfry.com
80	DELHI	1958/DELNP/2014	04/04/2018 00:00:00	S/19 22 IFAIA Center Greater Noida Shopping Plaza Site IV Kasna Road Plot 7/2	docket@khuranaandkhurana.com,info@khuranaandkhurana.com,docket@khuranaandkhurana.com,info@khuranaandkhurana.com,docket@khuranaandkhurana.com,info@khuranaandkhurana.com, docket@khuranaandkhurana.com,info@khuranaandkhurana.com
81	DELHI	11268/DELNP/2012	04/04/2018 00:00:00	NISHI SHABANA SINGHANIA & PARTNERS SOLICITORS & ADVOCATES P-24, GREEN PARK EXTN NEW DELHI - 110016	rs@singhania.in
82	DELHI	5794/DELNP/2011	04/04/2018 00:00:00	KONPAL RAE LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com
83	DELHI	1367/DELNP/2013	04/04/2018 00:00:00	Anand And Anand B 41 NIZAMUDDIN EAST	email@anandandanand.com
84	DELHI	605/DELNP/2011	04/04/2018 00:00:00	GROSER & GROSER, PATENT AND TRADE MARK ATTORNEYS, OF D - 1/5 DLF QUTAB ENCLAVE, PHASE I, GURGAON, INDIA.	kevin@groserandgroser.com
85	DELHI	1382/DELNP/2013	04/04/2018 00:00:00	E71 72 Ground Floor Amar Colony Lajpat Nagar IV	delhi@lexntech.com
86	DELHI	201711020847	04/04/2018 00:00:00	HOUSE No. 28, ANSAL™S GARDEN ENCLAVE, OPPOSITE HOTEL PARTH INN • , HAPUR ROAD, GHAZIABAD Pin Code 201001	SinghRB@Triparulexfire.com,SK@Triparulexfire.com
87	DELHI	5734/DELNP/2015	04/04/2018 00:00:00	Remfry House , Millenium Plaza, Sec 27, Gurgaon,122002,India	remfry-sagar@remfry.com
88	DELHI	1799/DEL/2009	04/04/2018 00:00:00	VIDISHA GARG ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI-110013, INDIA.	anandandanand@vsnl.com,email@anandandanand.com
89	DELHI	3099/DELNP/2013	04/04/2018 00:00:00	LALL & SETHI ADVOCATES D-17, SOUTH EXTENSION II NEW DELHI 110 049 INDIA	info@indiaip.com
90	DELHI	7085/DELNP/2012	04/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27 Gurgaon 122009	remfry-sagar@remfry.com

91	DELHI	588/DEL/2009	04/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys BK House, Plot No.109, Sector 44 Gurgaon 122 002	ipo@knspartners.com
92	DELHI	2979/DELNP/2011	04/04/2018 00:00:00	VIDISHA GARG ANAND & ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI-110013, INDIA	anandandanand@vsnl.com,email@anandandanand.com
93	DELHI	1441/DELNP/2014	04/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
94	DELHI	1676/DEL/2009	04/04/2018 00:00:00	NEETI WILSON ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI-110013, INDIA.	anandandanand@vsnl.com,email@anandandanand.com
95	DELHI	1561/DEL/2012	04/04/2018 00:00:00	JITIN TALWAR, ADVOCATE AND PATENT AGENT (INDIA), REGISTRATION NUMBER-IN/PA 1117 - 413-P, TALWAR ADVOCATES, SECTOR-6, PANCHKULA-HARYANA-134109	talwar@ttconsultants.co.in,prosecution@talwaradvocates.com
96	DELHI	2377/DELNP/2015	04/04/2018 00:00:00	LEX ORBIS CONSULTING PVT. LTD. 709/710 , Tolstoy House 15 - 17, Tolstoy Marg, New Delhi 110001,India	manisha@lexorbis.com
97	DELHI	7124/DELNP/2012	04/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS KNK House B-483 Meera Bagh Paschim Vihar New Delhi-110063 India.	knk@kankrishme.com
98	DELHI	454/DEL/2010	04/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27 GURGAON 122 002, INDIA.	remfry-sagar@remfry.com
99	DELHI	7007/DELNP/2011	04/04/2018 00:00:00	R.K. DEWAN & COMPANY TRADE MARK & PATENT ATTORNEYS PODAR CHAMBERS, S.A. BRELVI ROAD, FORT, MUMBAI-400 001.	dewan@rkdewanmail.com,dewan@vsnl.com,dewan@rkdewanmail.com,dewan@vsnl.com,dewan@rkdewanmail.com,dewan@vsnl.com,dewan@rkdewanmail.com,dewan@vsnl.com,dewan@rkdewanmail.com,dewan@vsnl.com,dewan@rkdewanmail.com,dewan@vsnl.com
100	DELHI	1130/DELNP/2011	04/04/2018 00:00:00	ADVOCATE & PATENT ATTORNEY, IN-PA/203 VIDHANI TRADE MARKS CO. 11/12, UPPER GROUND FLOOR, WEST PATEL NAGAR, NEW DELHI-110008.	patent@bol.net.in
101	DELHI	4272/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com,remfry-sagar@remfry.com,remfry-sagar@remfry.com,remfry-sagar@remfry.com,sameer.swarup@nic.in,nekita.ipo@gov.in

102	DELHI	6792/DELNP/2011	05/04/2018 00:00:00	SUBRAMANIAM, NATARAJ & ASSOCIATES ATTORNEYS-AT-LAW PATENT & TRADEMARK ATTORNEYS E-556, GREATER KAILASH II NEW DELHI 110 048	sna@vsnl.com
103	DELHI	156/DELNP/2014	05/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House at the Millennium Plaza, Sector 27 Gurgaon 122 009, India	remfry-sagar@remfry.com
104	DELHI	1559/DELNP/2013	05/04/2018 00:00:00	SHRIMANT SINGH REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
105	DELHI	5927/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009 INDIA.	remfry-sagar@remfry.com
106	DELHI	5472/DELNP/2011	05/04/2018 00:00:00	MALATHI LAKSHMIKUMARAN, LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com,iprdel@lakshmisri.com,iprdel@lakshmisri.com,delhi-patent@nic.in/
107	DELHI	4451/DELNP/2013	05/04/2018 00:00:00	B 483 KNK House Meera Bagh Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
108	DELHI	3849/DEL/2012	05/04/2018 00:00:00	LEX ORBIS INTELLECTUAL PROPERTY PRACTICE 709/710, TOLSTOY HOUSE 15-17, TOLSTOY MARG NEW DELHI-110 001	mail@lexorbis.com,manisha@lexorbis.com
109	DELHI	8066/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
110	DELHI	735/DELNP/2008	05/04/2018 00:00:00	Remfry & Sagar, Attorneys-at-Law, Remfry House at the Millennium Plaza, Sector 27, Gurgaon, 122 002, INDIA.	remfry-sagar@remfry.com
111	DELHI	6359/DELNP/2011	05/04/2018 00:00:00	ANAND & ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI-110013, INDIA	email@anandandanand.com
112	DELHI	2017/DELNP/2012	05/04/2018 00:00:00	VIDISHA GARG ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	anandandanand@vsnl.com,email@anandandanand.com
113	DELHI	2430/DEL/2009	05/04/2018 00:00:00	SOMA RANI MISHRA, L.S. DAVAR & CO., PATENT AND TRADEMARKS ATTORNEY, 5/1, (FIRST FLOOR), KALKAJI EXTENSION NEW DELHI-110 019	lsdavar@ndf.vsnl.net.in

114	DELHI	874/DELNP/2011	05/04/2018 00:00:00	NEETI WILSON ANAND & ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI-110013, INDIA	anandandanand@vsnl.com,email@anandandanand.com
115	DELHI	2698/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
116	DELHI	702/DEL/2009	05/04/2018 00:00:00	8TH FLOOR, BHUKHANVALA CHAMBERS, B-28 VEERA INDUSTRIAL ESTATE, ANDHERI(W), MUMBAI 400053 INDIA	komal.shah@innovarip.com,komal.shah@innovarip.com
117	DELHI	2046/DELNP/2011	05/04/2018 00:00:00	S. JAYARAM LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com
118	DELHI	6520/DELNP/2012	05/04/2018 00:00:00	ANOVIP of 45/1, Floor No: 3, Corner Market, Malviya Nagar, New Delhi-110017, India	info@anovip.com
119	DELHI	4534/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
120	DELHI	6610/DELNP/2010	05/04/2018 00:00:00	LEX ORBIS INTELLECTUAL PROPERTY PRACTICE 709/710, TOLSTOY HOUSE 15-17, TOLSTOY MARG NEW DELHI-110 001	mail@lexorbis.com,manisha@lexorbis.com
121	DELHI	919/DEL/2009	05/04/2018 00:00:00	Anand & Anand Advocates B-41, Nizamuddin East,New Delhi-110013, India.	anandandanand@vsnl.com,email@anandandanand.com
122	DELHI	4563/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009 INDIA.	remfry-sagar@remfry.com
123	DELHI	770/DEL/2012	05/04/2018 00:00:00	L.S. DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
124	DELHI	345/DELNP/2014	05/04/2018 00:00:00	GROSER & GROSER, PATENT AND TRADE MARK ATTORNEYS, OF D - 1/5 DLF QUTAB ENCLAVE, PHASE I, GURGAON, INDIA.	kevin@groserandgroser.com
125	DELHI	2855/DEL/2011	05/04/2018 00:00:00	SOMA RANI MISHRA L.S. DAVAR & CO., PATENT AND TRADEMARKS ATTORNEY, 5/1, (FIRST FLOOR), KALKAJI EXTENSION NEW DELHI-110 019	lsdavar@ndf.vsnl.net.in
126	DELHI	201617031768	05/04/2018 00:00:00	KHURANA & KHURANA, Advocates and IP Attorneys, E-13, UPSIDC, Site-IV, Behind-Grand Venice, Kasna Road, Greater Noida 201310, UP, National Capital Region, India.	tarun@khuranaandkhurana.com,docket@khuranaandkhurana.com,GYAN_KESAR@YAHOO.CO.IN

127	DELHI	3602/DELNP/2011	05/04/2018 00:00:00	Khurana & Khurana Advocates and IP Attorneys, IFAIA Center, S/20-22, Greater Noida Shopping Plaza, UPSIDC-IV, Plot No. 7/2, Kasna Road, Greater Noida, 201308, India.	tarun@khuranaandkhurana.com,docket@khuranaandkhurana.com,info@khuranaandkhurana.com,tarun@khuranaandkhurana.com,docket@khuranaandkhurana.com,info@khuranaandkhurana.com,tarun@khuranaandkhurana.com,docket@khuranaandkhurana.com,info@khuranaandkhurana.com
128	DELHI	5233/DELNP/2014	05/04/2018 00:00:00	LEX ORBIS Intellectual Property Practice 709/710 Tolstoy House 15 17 Tolstoy Marg	manisha@lexorbis.com
129	DELHI	7826/DELNP/2010	05/04/2018 00:00:00	K & S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS 109, SECTOR-44, GURGAON-122003 NATIONAL CAPITAL REGION, INDIA	ipo@knspartners.com,ipo@knspartners.com
130	DELHI	1300/DELNP/2013	05/04/2018 00:00:00	AMARCHAND & MANGALDAS & SURESH A. SHROFF & CO. AMARCHAND TOWERS 216, OKHLA INDUSTRIAL ESTATE, PHASE- III, NEW DELHI 110020, INDIA	dev.robinson@amarchand.com
131	DELHI	90/DEL/2013	05/04/2018 00:00:00	PRAJNAN CHAITAN BRAHMACHARI LAXMI NARAYAN MANDIR, BHALSWA GAON, DELHI-110033	jeeswamijee@gmail.com
132	DELHI	597/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, REMFRY HOUSE AT MILLENNIUM PLAZA, SECTOR 27, GURGAON-122 002 NATIONAL CAPITAL REGION, INDIA.	remfry-sagar@remfry.com,anandandanand@vsnl.com
133	DELHI	11073/DELNP/2012	05/04/2018 00:00:00	VARUN SHARMA AMARCHAND & MANGALDAS & SURESH A. SHROFF & CO. AMARCHAND TOWERS 216, OKHLA INDUSTRIAL ESTATE, PHASE- III, NEW DELHI 110020, INDIA	dev.robinson@amarchand.com,dev.robinson@amarchand.com,dev.robinson@amarchand.com,delhi-patent@nic.in/
134	DELHI	2030/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
135	DELHI	2686/DELNP/2011	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
136	DELHI	6691/DELNP/2012	05/04/2018 00:00:00	LALL LAHIRI & SALHOTRA PLOT NO. B-28, SECTOR32, INSTITUTIONAL AREA, GURGAON-122 001 (HARYANA) INDIA	gpo@lls.in,gpo@lls.in

137	DELHI	1602/DELNP/2011	05/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109, Sector 44, Gurgaon- 122 003 National Capital Region, India	ipo@knspartners.com
138	DELHI	6110/DELNP/2012	05/04/2018 00:00:00	R.K. DEWAN & COMPANY TRADE MARK & PATENT ATTORNEYS PODAR CHAMBERS, S.A. BRELVI ROAD, FORT, MUMBAI-400 001.	dewan@rkdewanmail.com
139	DELHI	3176/DEL/2011	05/04/2018 00:00:00	SUNIL CHAUHAN 7/60, OLD DOUBLE STOREY, LAJPAT NAGAR 4, NEW DELHI-110024	spbms@hotmail.com
140	DELHI	98/DEL/2013	05/04/2018 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
141	DELHI	11381/DELNP/2012	05/04/2018 00:00:00	SUBRAMANIAM, NATARAJ & ASSOCIATES ATTORNEYS-AT-LAW PATENT & TRADEMARK ATTORNEYS E-556, GREATER KAILASH II NEW DELHI 110 048	sns@vsnl.com,docket.sna@gmail.com,sna@sna-ip.com,sna@vsnl.com, sna@sna-ip.com
142	DELHI	2652/DELNP/2015	05/04/2018 00:00:00	501/7 Lane W 21A , Western Avenue , Sainik Farms, New Delhi 110062,India	email@obhans.com
143	DELHI	8190/DELNP/2011	05/04/2018 00:00:00	S. JAYARAM LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com
144	DELHI	1421/DELNP/2013	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
145	DELHI	26/DEL/2013	05/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
146	DELHI	10083/DELNP/2014	05/04/2018 00:00:00	Remfry House Millenium Plaza Sec 27,Gurgaon 122009, India	remfry-sagar@remfry.com
147	DELHI	7025/DELNP/2012	06/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS KNK HOUSE B-483 MEERA BAGH PASCHIM VIHAR NEW DELHI-110063 INDIA.	knk@kankrishme.com
148	DELHI	1498/DELNP/2014	06/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
149	DELHI	2188/DEL/2012	06/04/2018 00:00:00	DR. MOHAMMED ALI, DEPTT. OF MECH. ENGG. AMU ALIGARH-202002, U.P.	mohdali284@rediffmail.com,mohdali284@rediffmail.com,mohdali284@rediffmail.com
150	DELHI	7420/DELNP/2012	06/04/2018 00:00:00	VIDISHA GARG ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	anandandanand@vsnl.com,email@anandandanand.com

151	DELHI	1649/DEL/2010	06/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109, Sector 44, Gurgaon 122 003 (India)	ipo@knspartners.com
152	DELHI	6878/DELNP/2012	06/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27 Gurgaon 122009	remfry-sagar@remfry.com
153	DELHI	2605/DELNP/2011	06/04/2018 00:00:00	SUMIT ARORA AMARCHAND & MANGALDAS & SURESH A. SHROFF & CO. AMARCHAND TOWERS 216, OKHLA INDUSTRIAL ESTATE, PHASE III NEW DELHI-110 020	dev.robinson@amarchand.com
154	DELHI	3434/DEL/2013	06/04/2018 00:00:00	D.P.AHUJA & CO. 14/2 PALM AVENUE, CALCUTTA 700019 WEST BENGAL, INDIA	patents@dpahuja.com
155	DELHI	1455/DELNP/2013	06/04/2018 00:00:00	SHRIMANT SINGH REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
156	DELHI	505/DELNP/2013	06/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
157	DELHI	10666/DELNP/2013	06/04/2018 00:00:00	AMARCHAND & MANGALDAS & SURESH A. SHROFF & CO. AMARCHAND TOWERS 216, OKHLA INDUSTRIAL ESTATE, PHASE- III, NEW DELHI 110020, INDIA	dev.robinson@amarchand.com
158	DELHI	2637/DEL/2014	06/04/2018 00:00:00	Anand & Anand Advocates B-41, Nizamuddin East New Delhi 110013, India Phone No: 0091-11-24355076, 24358078, 91-120-4059300 Fax No: 0091-11-24354243, 91-120-4243056,-058 E-mail: anandandanand@vsnl.com, email@anandandanand.com, archana@anandandanand.com	email@anandandanand.com
159	DELHI	7539/DELNP/2013	06/04/2018 00:00:00	45/1 FLOOR NO:3, CORNER MARKET, MALVIYA NAGAR, NEW DELHI-110017, INDIA	info@anovip.com
160	DELHI	9579/DELNP/2012	06/04/2018 00:00:00	DR. VISHAL TRIPATHI INTTL ADVOCARE F-252 WESTERN AVENUE SAINIK FARMS NEW DELHI-100 062 INDIA	hemant@inttladvocare.com,vishal@inttladvocare.com
161	DELHI	69/DEL/2015	06/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India. - Telephone No. 911242806100 Telefax No. 911242806101 E-mail: remfry-sagar@remfry.com patents@remfry.com	patents@remfry.com

162	DELHI	10668/DELNP/2013	06/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com
163	DELHI	2635/DELNP/2009	06/04/2018 00:00:00	Abu-GhazalehIntellectual Property TMP Agents India Pvt. Ltd. 3rd floor, HL Arcade Near HDFC Bank, Plot No. 14, Sector V (MLU) Dwarka, N.Delhi-110075	agip.india@tagi.com
164	DELHI	10901/DELNP/2014	06/04/2018 00:00:00	Remfry House Millenium Plaza Sec 27, Guraon-122009	remfry-sagar@remfry.com
165	DELHI	896/DELNP/2011	06/04/2018 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS KNK HOUSE, B-483, MEERA BAGH, PASCHIM VIHAR, NEW DELHI-110063, INDIA.	knk@kankrishme.com
166	DELHI	1653/DEL/2013	06/04/2018 00:00:00	ADVOCATE & PATENT ATTORNEY VIDHANI ASSOCIATES 11/12, UPPER GROUND FLOOR, WEST PATEL NAGAR, NEW DELHI-110008.	patented@vsnl.com,patent@vidhani.com,patented@vsnl.com,patent@vidhani.com
167	DELHI	1094/DELNP/2014	06/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
168	DELHI	2845/DEL/2010	06/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 002 INDIA.	remfry-sagar@remfry.com,remfry-sagar@remfry.com,remfry-sagar@remfry.com
169	DELHI	6727/DELNP/2015	06/04/2018 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
170	DELHI	3636/DELNP/2012	06/04/2018 00:00:00	LEX ORBIS INTELLECTUAL PROPERTY PRACTICE 709/710, TOLSTOY HOUSE 15-17, TOLSTOY MARG NEW DELHI-110 001	mail@lexorbis.com,manisha@lexorbis.com,mail@lexorbis.com,manisha@lexorbis.com
171	DELHI	6642/DELNP/2011	06/04/2018 00:00:00	LALL LAHIRI & SALHOTRA PLOT NO. B-28, SECTOR32, INSTITUTIONAL AREA, GURGAON-122 001 (HARYANA) INDIA	gpo@lls.in
172	DELHI	2208/DELNP/2013	06/04/2018 00:00:00	SHRIMANT SINGH REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
173	DELHI	6290/DELNP/2012	06/04/2018 00:00:00	ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	anandandanand@vsnl.com,email@anandandanand.com
174	DELHI	3410/DELNP/2011	06/04/2018 00:00:00	K & S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS 109, SECTOR 44, GURGAON 122 003 NATIONAL CAPITAL REGION, INDIA	ipo@knspartners.com

175	DELHI	3058/DELNP/2013	06/04/2018 00:00:00	109 Sectore 44 Gurgaon National Capital Region Haryana	ipo@knspartners.com
176	DELHI	10946/DELNP/2013	06/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com
177	DELHI	2319/DELNP/2013	06/04/2018 00:00:00	OBHAN & ASSOCIATES 501/7 LANE W-21A WESTERN AVENUE SAINIK FARMS NEW DELHI 110 062 INDIA	email@obhans.com
178	DELHI	2915/DELNP/2014	06/04/2018 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
179	DELHI	2635/DELNP/2012	06/04/2018 00:00:00	NEETI WILSON ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	email@anandandanand.com,email@anandandanand.com
180	DELHI	84/DELNP/2012	06/04/2018 00:00:00	PRABHAKAR MANI PRATAP VUTTS & ASSOCIATES LLP, ADVOCATES, NO. 704, THE CASTLE, PLOT 36-A, SECTOR 56, GURGAON - 122009, HARYANA, INDIA	email@vutts.com
181	DELHI	8965/DELNP/2013	06/04/2018 00:00:00	B6/10 SAFDARJUNG ENCLAVE	IPRDEL@LAKSHMISRI.COM
182	DELHI	601/DELNP/2013	06/04/2018 00:00:00	Lakshmi Kumaran & Sridharan B6/10 SAFDARJUNG ENCLAVE	iprdel@lakshmisri.com
183	DELHI	1653/DELNP/2013	06/04/2018 00:00:00	LEX ORBIS INTELLECTUAL PROPERTY PRACTICE 709/710, TOLSTOY HOUSE 15-17, TOLSTOY MARG NEW DELHI-110 001	mail@lexorbis.com
184	DELHI	10072/DELNP/2012	06/04/2018 00:00:00	NEETI WILSON ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	anandandanand@vsnl.com,email@anandandanand.com
185	DELHI	2707/DELNP/2010	06/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW, REMFRY HOUSE MILLENNIUM PLAZA, SECTOR 27, GURGAON-122 002, INDIA	remfry-sagar@remfry.com
186	DELHI	663/DEL/2014	06/04/2018 00:00:00	RAMENDRA K. SINGH NUCLEIC ACIDS AND ANTIVIRAL RESEARCH LABORATORY, DEPARTMENT OF CHEMISTRY, UNIVERSITY OF ALLAHABAD, ALLAHABAD-211 002, INDIA.	rksinghsrk@gmail.com
187	DELHI	5515/DELNP/2014	06/04/2018 00:00:00	D 1/5 DLF Qutab Enclave Phase 1	kevin@groserandgroser.com
188	DELHI	5192/DELNP/2011	06/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com,bangalore@knspartners.com

189	DELHI	2991/DELNP/2009	06/04/2018 00:00:00	SNIGDHA Anand & Anand Advocates B-41, Nizamuddin East,New Delhi-110013, India.	anandandanand@vsnl.com,email@anandandanand.com
190	DELHI	9560/DELNP/2012	06/04/2018 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
191	DELHI	8139/DELNP/2011	06/04/2018 00:00:00	DUA ASSOCIATES 202-206, TOLSTOY HOUSE, 15, TOLSTOY MARG, NEW DELHI- 110001, INDIA	vgulwani@duaassociates.com
192	DELHI	7645/DELNP/2008	06/04/2018 00:00:00	Kan & Krishme, Advocates, Patent & Trade Mark Attorneys, KNK House, B-483, Meera Bagh, Paschim Vihar, New Delhi-110063,	knk@kankrishme.com
193	DELHI	3159/DEL/2011	06/04/2018 00:00:00	PRABHAKAR MANI PRATAP VUTTS & ASSOCIATES LLP, ADVOCATES, NO. 704, THE CASTLE, PLOT 36-A, SECTOR 56, GURGAON - 122009, HARYANA, INDIA	email@vutts.com,prabhakar@vutts.com
194	DELHI	2486/DEL/2012	06/04/2018 00:00:00	NEETI WILSON ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI-110013, INDIA	anandandanand@vsnl.com,email@anandandanand.com,anandandanand@vsnl.com,email@anandandanand.com
195	DELHI	3395/DEL/2012	06/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
196	DELHI	7260/DELNP/2009	06/04/2018 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE AT MILLENIUM PLAZA, SECTOR 27 GURGAON - 122 002 NATIONAL CAPITAL REGION, INDIA	remfry-sagar@remfry.com
197	DELHI	7733/DELNP/2011	06/04/2018 00:00:00	GROSER & GROSER, PATENT AND TRADE MARK ATTORNEYS, OF D - 1/5 DLF QUTAB ENCLAVE, PHASE I, GURGAON, INDIA.	kevin@groserandgroser.com

WEEKLY ISSUED FER (MUMBAI)

SNO	LOCATION	APPLICATION NUMBER	FER DATE	ADDRESS FOR SERVICE	EMAIL
1	MUMBAI	267/MUMNP/2012	02/04/2018 00:00:00	KRISHNA & SAURASTRI ASSOCIATES 74/F, VENUS, WORLI SEA FACE MUMBAI-400018	info@krishnaandsaurastri.com,patent@krishnaandsaurastri.com
2	MUMBAI	2998/MUM/2011	02/04/2018 00:00:00	Anand and Anand Advocates B-41 Nizamuddin East New Delhi - 110013 India Phone No: 0091-11-24355076 24358078 91-120-4059300 Fax No: 0091-11-24354243 91-120-4243056 -058 E-mail: anandandanand@vsnl.com <mailto:anandandanand@vsnl.com > email@anandandanand.com <mailto:email@anandandanand.com > archana@anandandanand.com	archana@anandandanand.com,email@anandandanand.com
3	MUMBAI	1595/MUMNP/2012	02/04/2018 00:00:00	DEPENNING & DEPENNING ALAKNANDA BUILDING 16 NEA PEAN SEA ROAD MUMBAI 400 036	patent@depenning.com,patent@depenning.com,patent@depenning.com
4	MUMBAI	1751/MUMNP/2011	02/04/2018 00:00:00	KRISHNA & SAURASTRI ASSOCIATES 74/F, VENUS, WORLI SEA FACE, MUMBAI - 400 018, INDIA.	info@krishnaandsaurastri.com,patent@krishnaandsaurastri.com
5	MUMBAI	3175/MUM/2012	02/04/2018 00:00:00	DR PRABUDDHA GANGULI, VISION - IPR, 101-201 SUNVIEW HEIGHTS PLOT NO. 262, SHER-E-PUNJAB ANDHERI (EAST), MUMBAI 400 09	prabuddha.ganguli@gmail.com
6	MUMBAI	1472/MUMNP/2014	02/04/2018 00:00:00	LAW OFFICE OF H K ACHARYA & COMPANY ADVOCATES PATENT & TRADEMARKS ATTORNEYS HK AVENUE 19 SWASTICK SOCIETY NAVRANGPURA AHMEDABAD 380 009 GUJARAT INDIA.	hkpatent@hkindia.com
7	MUMBAI	1672/MUM/2012	02/04/2018 00:00:00	DR GONDAVALE MANGESH MANOHAR C/O MR MANIYAR MARUTI RAMBHAU H-4/601, GOLDEN ARCADE CHS, PRATIKSHANAGAR, SION (E), MUMBAI-400022, MAHARASHTRA, INDIA.	mangesh.gondavale@gmail.com
8	MUMBAI	827/MUM/2013	02/04/2018 00:00:00	MS. SUMITHA VIBHU, B1, DESIKA FLATS, NO. 5, LUZ AVENUE FIRST STREET, MYLAPORE, CHENNAI 600 004	sumithavibhu@rediffmail.om,sumithavibhu@rediffmail.com
9	MUMBAI	1088/MUMNP/2011	02/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys Highland Residency 301/302 Bougenvillea Yeshasvi Nagar Dhokali Road Thane - 400607, Mumbai, INDIA	Ipo@Knspartners.com

10	MUMBAI	171/MUMNP/2012	02/04/2018 00:00:00	M/S. JEHANGIR GULABBHAI & BILIMORIA & DARUWALLA, ADVOCATES & SOLICITORS, PATENT & TRADE MARK AGENTS, RAJABAHADUR MANSION, 20 AMBALAL DOSHI MARG. (HAMAM STREET), FORT, BOMBAY - 400 023.	jgbdadvo@bom3.vsnl.net.in,jgbdadvo@gmail.com,jgbdadvo@mtnl.net.in
11	MUMBAI	2705/MUMNP/2011	02/04/2018 00:00:00	KRISHNA & SAURASTRI ASSOCIATES 74/F, VENUS, WORLI SEA FACE MUMBAI - 400 018	info@krishnaandsaurastri.com,patent@krishnaandsaurastri.com
12	MUMBAI	201721032933	02/04/2018 00:00:00	StratJuris Partners, #302 The Capital B Wing , Adjacent Regent Plaza, Baner- Pashan Link Road, Pune - 411045, Maharashtra, India	ip@stratjuris.com,priyank.gupta@stratjuris.com
13	MUMBAI	1496/MUMNP/2012	02/04/2018 00:00:00	K & S PARTNERS B1-601, 6TH FLOOR, MARATHON NEXTGEN INNOVA, OPPOSITE PENINSULA CORPORATE PARK, OFF G. K. MARG, LOWER PAREL, MUMBAI - 400013, INDIA .	ipo@knspartners.com
14	MUMBAI	388/MUMNP/2013	02/04/2018 00:00:00	LAW OFFICE OF H K ACHARYA & COMPANY ADVOCATES PATENT & TRADEMARKS ATTORNEYS HK AVENUE 19 SWASTICK SOCIETY NAVRANGPURA AHMEDABAD 380 009 GUJARAT INDIA.	hkpatent@hkindia.com,info@hkindia.com
15	MUMBAI	1583/MUMNP/2012	02/04/2018 00:00:00	K & S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS B1-601, 6TH FLOOR, MARATHON NEXTGEN INNOVA, OPPOSITE PENINSULA CORPORATE PARK, OFF G. K. MARG, LOWER PAREL, MUMBAI - 400013, INDIA	ipo@knspartners.com
16	MUMBAI	355/MUMNP/2011	02/04/2018 00:00:00	K & S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS B1-601, 6TH FLOOR, MARATHON NEXTGEN INNOVA, OPPOSITE PENINSULA CORPORATE PARK, OFF G.K. MARG, LOWER PAREL, MUMBAI-400013, INDIA	ipo@knspartners.com
17	MUMBAI	2320/MUMNP/2011	03/04/2018 00:00:00	KRISHNA & SAURASTRI ASSOCIATES 74/F, VENUS, WORLI SEA FACE MUMBAI - 400 018	info@krishnaandsaurastri.com
18	MUMBAI	201722028913	03/04/2018 00:00:00	R.K.Dewan & Co. 5th Floor Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com,mailroom@rkdewanmail.com

19	MUMBAI	201621001558	03/04/2018 00:00:00	MR. MANOJ G. MENDHA 6/7, SORAB BHARUCHA ROAD, COLABA, MUMBAI - 400 005, M.S., INDIA.	menda@vsnl.com
20	MUMBAI	1098/MUM/2011	03/04/2018 00:00:00	C-302, RNA REGENCE PARK, M.G.ROAD, KANDIVALI (WEST),MUMBAI 400 067	mail@legasolv.com
21	MUMBAI	2041/MUMNP/2011	03/04/2018 00:00:00	M/S.JEHANGIR GULABBHAI & BILIMORIA & DARUWALLA, ADVOCATES & SOLICITORS, PATENT & TRADE MARK AGENTS, RAJABAHADUR MANSION, 20 AMBALAL DOSHI MARG, (HAMAM STREET), FORT MUMBAI - 400 023	igbdadvo@bom3.vsnl.net.in,jgbdadvo@gmail.com
22	MUMBAI	1548/MUMNP/2012	03/04/2018 00:00:00	Dr. Rajeshkumar H. Acharya Law Office of H K Acharya & Company Advocates Patent & Trademark Agents HK Avenue 19 Swastik Society Navrangpura Ahmedabad 380009 INDIA.	info@hkindia.com,hkpatent@hkindia.com
23	MUMBAI	1726/MUM/2009	03/04/2018 00:00:00	Dr. Rajeshkumar H. Acharya Law Office of H. K. Acharya & Company Advocates, Patent & Trademark Agents H. K. Avenue, 19, Swastik Society, Navrangpura, Ahmedabad 380009 Gujarat, INDIA.	info@hkindia.com
24	MUMBAI	1022/MUM/2010	03/04/2018 00:00:00	KHAITAN & CO. ONE INDIABULLS CENTRE, 13TH FLOOR 841 SENAPATI BAPAT MARG ELPHINSTONE ROAD MUMBAI 400 013, MAHARASHTRA, INDIA.	mumbai@khaitanco.com,qutbuddin.siddiquee@cgglobal.com,kcopatents@khaitanco.com,mumpat@khaitanco.com
25	MUMBAI	2680/MUM/2012	03/04/2018 00:00:00	R. K. DEWAN & CO. PODAR CHAMBERS, S.A.BRELVI ROAD, FORT, MUMBAI 400 001 MAHARASHTRA, INDIA	dewan@rkdewanmail.com
26	MUMBAI	276/MUMNP/2013	03/04/2018 00:00:00	CHADHA & CHADHA Advocates F 46 Himalaya House 23 Kasturba Gandhi Marg New Delhi 110001 India.	patents@iprattorneys.com,info@iprattorneys.com
27	MUMBAI	1519/MUMNP/2014	03/04/2018 00:00:00	Shivmangal • 3rd Floor Near Big Bazaar Akurli Road Kandivali (East)	gopanair@gnaipr.net
28	MUMBAI	1798/MUMNP/2012	03/04/2018 00:00:00	Dr. Rajeshkumar H. Acharya Law Office of H K Acharya & Company Advocates Patent & Trademark Agents HK Avenue 19 Swastik Society Navrangpura Ahmedabad 380009 INDIA.	info@hkindia.com,hkpatent@hkindia.com
29	MUMBAI	351/MUMNP/2014	04/04/2018 00:00:00	ANJAN SEN & ASSOCIATES, PATENT & TRADE MARK ATTORNEYS, 17, CHAKRABERIA ROAD SOUTH, KOLKATA-700 025 INDIA	info@ipindiaasa.com

30	MUMBAI	3449/MUM/2012	04/04/2018 00:00:00	DR. BOBBA VENKATA SIVAKUMAR CHIEF SCIENTIFIC OFFICER ENALTEC LABS PRIVATE LIMITED. PLOT NO.W-59 A, ADDL. MIDC, AMBERNATH, DIST-THANE 421506, MAHARASHTRA, INDIA.	b.v.sivakumar@enalteclabs.co.in,b.v.sivakumar@enalteclabs.co.in,info@enaltec.com
31	MUMBAI	629/MUMNP/2013	04/04/2018 00:00:00	LAW OFFICE OF H K ACHARYA & COMPANY ADVOCATES PATENT & TRADEMARKS ATTORNEYS HK AVENUE 19 SWASTICK SOCIETY NAVRANGPURA AHMEDABAD 380 009 GUJARAT INDIA.	info@hkindia.com
32	MUMBAI	52/MUM/2013	04/04/2018 00:00:00	DEPENNING & DEPENNING ALAKNANDA BUILDING 16 NEA PEAN SEA ROAD MUMBAI 400 036	patent@depenning.com
33	MUMBAI	3569/MUM/2012	04/04/2018 00:00:00	DE PENNING & DE PENNING ALAKNANDA, 16 NEPEAN SEA ROAD MUMBAI - 400036	patent@depenning.com
34	MUMBAI	1977/MUMNP/2010	04/04/2018 00:00:00	Dr. Rajeshkumar H. Acharya Law Office of H K Acharya & Company Advocates, Patent & Trademark Agents HK Avenue, 19, Swastik Society, Navrangpura, Ahmedabad 380009 INDIA.	info@hkindia.com
35	MUMBAI	3495/MUM/2012	04/04/2018 00:00:00	Adv. Swapnil Gawande R9 Harshanil Eknathpuram Near Yogakshem Colony Amravati (M.S.) 444607	sjgawande@gmail.com
36	MUMBAI	2425/MUMNP/2014	04/04/2018 00:00:00	KRISHNA & SAURASTRI 74-F, VENUS WORLI SEA FACE MUMBAI- 400 018 INDIA	info@krishnaandsaurastri.com
37	MUMBAI	614/MUM/2014	04/04/2018 00:00:00	R.K. DEWAN & CO. PODAR CHAMBERS, S. A. BRELVI ROAD, FORT, MUMBAI-400 001, MAHARASHTRA, INDIA.	dewan@rkdewanmail.com
38	MUMBAI	2377/MUM/2013	04/04/2018 00:00:00	R.K. DEWAN & COMPANY PODAR CHAMBERS, S.A.BRELVI ROAD, FORT, MUMBAI-400 001, MAHARASHTRA, INDIA.	dewan@rkdewanmail.com
39	MUMBAI	1233/MUMNP/2012	04/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys Highland Residency 301/302 Bougenvillea Yeshasvi Nagar Dhokali Road Thane - 400607 Mumbai INDIA	ipo@knspartners.com
40	MUMBAI	2857/MUM/2012	04/04/2018 00:00:00	K & S Partners Intellectual Property Attorneys B1- 601 6th Floor Marathon NextGen Innova Opposite Peninsula Corporate Park Off G. K. Marg Lower Parel Mumbai- 400013 Maharashtra.	ipo@knspartners.com

41	MUMBAI	1757/MUMNP/2012	04/04/2018 00:00:00	HIRAL CHANDRAKANT JOSHI CHANDRAKANT M. JOSHI PATENT & TRADE MARK ATTORNEYS, 5TH & 6TH FLOOR VISHWANANAK, CHAKALA ROAD, ANDHERI(EAST), MUMBAI-400 099.	cmjoshi@bom3.vsnl.net.in,patents@cmjoshi.com
42	MUMBAI	1983/MUM/2011	05/04/2018 00:00:00	MR.RAJESH GANGAR,AN INDIAN NATIONAL,HAVING ADDRESS AT 801,LILIUM, MAHINDRA GARDEN, S.V.ROAD, GOREGAON WEST, MUMBAI 400 062, MAHARASHTRA, INDIA	delhi-patent@nic.in
43	MUMBAI	2527/MUM/2013	05/04/2018 00:00:00	Biogenomics Limited, FIrst Floor, Kothari Compound Opposite Tikuji-ni-wadi Thane (West) 400610 Maharashtra, India	ipr@biogenomics.co.in
44	MUMBAI	535/MUM/2010	05/04/2018 00:00:00	KIRLOSKAR INTEGRATED TECHNOLOGIES LIMITED. 13/A, KARVE ROAD, KOTHRUD, PUNE-411038. MAHARASHTRA, INDIA	nitant.mate@kirloskar.com
45	MUMBAI	3244/MUMNP/2015	05/04/2018 00:00:00	501 VISHWANANAK CHAKALA ROAD ANDHERI EAST MUMBAI 400 099, MAHARASHTRA, INDIA.	cmjoshi@bom3.vsnl.net.in,patents@cmjoshi.com
46	MUMBAI	719/MUMNP/2014	05/04/2018 00:00:00	LAW OFFICE OF H K ACHARYA & COMPANY ADVOCATES PATENT & TRADEMARKS ATTORNEYS HK AVENUE 19 SWASTICK SOCIETY NAVRANGPURA AHMEDABAD 380 009 GUJARAT INDIA.	hkpatent@hkindia.com,hkpatent@hkindia.com,hkpatent@hkindia.com
47	MUMBAI	228/MUMNP/2014	05/04/2018 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS B-483, KNK HOUSE, MEERA BAGH, PASCHIM VIHAR, NEW DELHI-110063, INDIA	knk@kankrishme.com
48	MUMBAI	365/MUMNP/2014	05/04/2018 00:00:00	LAW OFFICE OF H K ACHARYA & COMPANY ADVOCATES PATENT & TRADEMARKS ATTORNEYS HK AVENUE 19 SWASTICK SOCIETY NAVRANGPURA AHMEDABAD 380 009 GUJARAT INDIA.	hkpatent@hkindia.com
49	MUMBAI	2469/MUMNP/2015	05/04/2018 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandandanand.com
50	MUMBAI	2096/MUM/2012	05/04/2018 00:00:00	KRISHNA & SAURASTRI ASSOCIATES 74/F,VENUS,WORLI SEA FACE MUMBAI-400 018	info@krishnaandsaurastri.com

51	MUMBAI	362/MUMNP/2014	05/04/2018 00:00:00	S. MAJUMDAR & CO. 5 HARISH MUKHERJEE ROAD KOLKATA 700025 INDIA.	cal@patentindia.com,cal@patentindia.com
52	MUMBAI	314/MUMNP/2011	06/04/2018 00:00:00	K & S PARTNERS, Intellectual Property Attorneys B1- 601, 6th Floor, Marathon NextGen Innova, Opposite Peninsula Corporate Park, Off G. K. Marg, Lower Parel Mumbai- 400013, India	ipo@knspartners.com
53	MUMBAI	1/MUM/2014	06/04/2018 00:00:00	MR. K. SUBHARAMAN, HEAD - LEGAL & COMPANY SECRETARY, UNICHEM LABORATORIES LIMITED, UNICHEM BHAVAN, PRABHAT ESTATE, OFF. S. V. ROAD, JOGESHWARI (W), MUMBAI - 400 102, MAHARASHTRA, INDIA.	ipm@unichemlabs.com
54	MUMBAI	2365/MUMNP/2010	06/04/2018 00:00:00	S. MAJUMDAR & CO., 5, Harish Mukherjee Road, Calcutta - 700 025, State of West Bengal. Phone: 0-33-2455 7484/85/86; Fax: 0-33- 2455 7487/88; Email: cal@patentindia.com .	cal@patentindia.com
55	MUMBAI	201721014307	06/04/2018 00:00:00	KRISHNA & SAURASTRI ASSOCIATES LLP 74/F, Venus, Worli Sea Face Mumbai 400 018, Maharashtra, India Mobile No.: 91 9167644651	info@krishnaandsaurastri.com,patent@krishnaandsaurastri.com
56	MUMBAI	231/MUM/2008	06/04/2018 00:00:00	RAJESHKUMAR H. ACHARYA M/2,N.R. HOUSE, NR. POPULAR HOUSE, ASHRAM ROAD, AHEMEDBAD 380009, GUJARAT, INDIA.	info@markpatent.com,hkpatent@hkindia.com
57	MUMBAI	2273/MUMNP/2010	06/04/2018 00:00:00	De Penning & De Penning Alaknanda Building 16 Nepean Sea Road Mumbai 400036 Tel No: +91 22 4220 8383 Fax No: +91 22 4220 8300 E-mail: patent@depenning.com	patent@depenning.com
58	MUMBAI	1547/MUMNP/2012	06/04/2018 00:00:00	D.P. AHUJA & CO., VATIKA BUSINESS CENTER, LEVEL-5, SUITE # 23, TECH PARK-1, AIRPORT ROAD, YERWADA, PUNE-411 006, MAHARASHTRA, INDIA	ippune@dpahuja.com,patents@dpahuja.com
59	MUMBAI	2396/MUMNP/2012	06/04/2018 00:00:00	HIRAL CHANDRAKANT JOSHI CHANDRAKANT M. JOSHI 5TH & 6TH FLOOR VISHWANANAK, CHAKALA ROAD, ANDHERI (EAST), MUMBAI 400 099.	cmjoshi@bom3.vsnl.net.in,patents@cmjoshi.com
60	MUMBAI	3783/MUM/2014	06/04/2018 00:00:00	DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY, UNIVERSITY INSTITUTE OF CHEMICAL TECHNOLOGY, NORTH MAHARASHTRA UNIVERSITY, JALAGAON, 425001, MS, INDIA.	jbnaik@nmu.ac.in

61	MUMBAI	743/MUM/2011	06/04/2018 00:00:00	M/S ALTACIT GLOBAL, 'CREATIVE ENCLAVE', 3RD FLOOR, NO.148-150, LUZ CHURCH ROAD, MYLAPORE, CHENNAI -600004.	ip@altacit.com,ip@altacit.com
62	MUMBAI	250/MUM/2010	06/04/2018 00:00:00	MR. Vijay Sharatchandra Tase(REG NO. IN/PA 987) MR. S.D.Tase(REG NO- IN/PA 879) Peer Technical Services Pvt ltd, 107 Marol Coop Industrial Estate, Sag Bag Lane,Off Andheri Kurla Road, Andheri(e),Mumbai 400 059, Maharashtra State, India.	vijayt@peertechnical.net
63	MUMBAI	129/MUMNP/2015	06/04/2018 00:00:00	501 VISHWANANAK CHAKALA ROAD ANDHERI EAST	patents@cmjoshi.com
64	MUMBAI	201621040010	06/04/2018 00:00:00	StratJuris Partners, 302, The Capital Building, B wing, Baner-Pashan Link Road, Pune	ip@stratjuris.com,priyank.gupta@stratjuris.com
65	MUMBAI	301/MUM/2013	06/04/2018 00:00:00	Dr. Rajeshkumar H. Acharya Law Office of H. K. Acharya & Company Advocates, Patent & Trademark Agents HK Avenue, 19 - Swastik Society, Navrangpura, Ahmedabad - 380 009 Gujarat, INDIA.	info@hkindia.com
66	MUMBAI	2202/MUMNP/2011	06/04/2018 00:00:00	K & S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS B1-601, 6TH FLOOR, MARATHON NEXTGEN INNOVA, OPPOSITE PENINSULA CORPORATE PARK, OFF G.K. MARG, LOWER PAREL, MUMBAI-400013	ipo@knspartners.com
67	MUMBAI	892/MUM/2012	06/04/2018 00:00:00	K & S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS B1-601, 6TH FLOOR, MARATHON NEXTGEN INNOVA, OPPOSITE PENINSULA CORPORATE PARK, OFF G.K. MARG, LOWER PAREL, MUMBAI-400013	bangalore@knspartners.com
68	MUMBAI	3405/MUM/2010	06/04/2018 00:00:00	KIRAN A.JOSHI, (REG.NO.IN/PA/422) FLAT NO.6, RAJHANS CO-OP HOUSING SOCIETY, RAMKRISHNA PARAMHANS NAGAR, PLOT NO.41, S.NO.91/2, KRISHNA COLONY, KOTHRUD, MAHARASHTRA STATE, INDIA.	kaj01234@yahoo.com
69	MUMBAI	706/MUMNP/2012	06/04/2018 00:00:00	K & S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS B1-601, 6TH FLOOR, MARATHON NEXTGEN INNOVA, OPPOSITE PENINSULA CORPORATE PARK, OFF G.K. MARG, LOWER PAREL, MUMBAI-400013	ipo@knspartners.com

70	MUMBAI	2570/MUM/2012	06/04/2018 00:00:00	PRIYANK GUPTA LEGASIS PARTNERS B-105, ICC TRADE TOWERS SENAPATI BAPAT ROAD, PUNE-411016, INDIA	ip@legasis.in
71	MUMBAI	488/MUM/2015	06/04/2018 00:00:00	R.K.Dewan & Co. Podar Chambers, S. A. Brelvi Road, Fort, Mumbai - 400001	dewan@rkdewanmail.com
72	MUMBAI	3485/MUM/2011	06/04/2018 00:00:00	DR. BOBBA VENKATA SIVAKUMAR CHIEF SCIENTIFIC OFFICER ENALTEC LABS PRIVATE LIMITED, PLOT NO.W.59 A, ADDL. MIDC, AMBERNATH, DIST-THANE, 421506, MAHARASHTRA, INDIA	b.v.sivakumar@enalteclabs.co.in,b.v.sivakumar@enalteclabs.co.in
73	MUMBAI	927/MUMNP/2012	06/04/2018 00:00:00	Dr. Rajeshkumar H. Acharya Law Office of H K Acharya & Company Advocates Patent & Trademark Agents HK Avenue 19 Swastik Society Navrangpura Ahmedabad 380009 INDIA	info@hkindia.com,hkpatent@hkindia.com
74	MUMBAI	2280/MUM/2014	06/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore - 560 038, Karnataka, India	ipo@knspartners.com
75	MUMBAI	2597/MUM/2010	06/04/2018 00:00:00	DR. MAHALAXMI ANDHERIA PANACEA BIOTEC LIMITED, PLOT NO. GEN - 72/3, TTC INDUSTRIAL AREA, OPP. MILLENNIUM BUSINESS PARK GATE NO.2, MAHAPE, NAVI MUMBAI 400 710, MAHARASHTRA, INDIA.	mahalaxmiandheria@panaceabiotec.com
76	MUMBAI	2801/MUMNP/2008	06/04/2018 00:00:00	DE PENNING & DE PENNING ALAKNANDA BUILDING 16 NEPEAN SEA ROAD MUMBAI-400036	patent@depenning.com
77	MUMBAI	1313/MUMNP/2013	06/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109 Sector 44 Gurgaon National Capital Region	ipo@knspartners.com

WEEKLY ISSUED FER (CHENNAI)

SNO	LOCATION	APPLICATION NUMBER	FER DATE	ADDRESS FOR SERVICE	EMAIL
1	CHENNAI	7737/CHENP/2010	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY, MAIN ROAD GUINDY, CHENNAI - 600 032.	patent@depenning.com
2	CHENNAI	7013/CHENP/2011	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com,patent@depenning.com
3	CHENNAI	7884/CHENP/2013	02/04/2018 00:00:00	Anand And Anand B 41 NIZAMUDDIN EAST	email@anandandanand.com,archana@anandandanand.com
4	CHENNAI	2538/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
5	CHENNAI	6937/CHENP/2012	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
6	CHENNAI	2936/CHE/2012	02/04/2018 00:00:00	M/S. DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
7	CHENNAI	3081/CHE/2012	02/04/2018 00:00:00	DR.G.S. LEKHA, 2/103, 'KALABHAVAN', S.T.MANGAD & (P.O.), KANYAKUMARI DISTRICT, PIN - 629 172, TAMIL NADU, INDIA.	lekha_doctor@yahoo.co.in
8	CHENNAI	3085/CHENP/2013	02/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, 2, WALLACE GARDEN, 2ND STREET, CHENNAI 600 006, INDIA.	lsmds@lakshmisri.com
9	CHENNAI	2016/CHE/2012	02/04/2018 00:00:00	FOX MANDAL & ASSOCIATES, PATENT ATTORNEYS, FM HOUSE, 6/12, PRIMROSE ROAD, BANGALORE 560 025, KARNATAKA, INDIA Telephone No.: 91 80 25595911; Fax No.: 91 80 25595844 e-mail:ip. bangalore@foxmandal.com	patent@brainleague.com,ip.bangalore@foxmandal.com,patent@brainleague.com,ip.bangalore@foxmandal.com
10	CHENNAI	335/CHENP/2011	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
11	CHENNAI	669/CHE/2013	02/04/2018 00:00:00	SHRI. SUBHASISH GHOSH, NO.22, THIRD CROSS STREET, KORATTUR, CHENNAI - 600 076, TAMIL NADU, INDIA.	karthik.lawyer@gmail.com
12	CHENNAI	3665/CHENP/2012	02/04/2018 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	remfry-sagar@remfry.com,remfry-sagar@remfry.com
13	CHENNAI	2592/CHE/2010	02/04/2018 00:00:00	DR.GOPAKUMAR G.NAIR, AGENT FOR THE APPLICANT, GOPAKUMAR NAIR ASSOCIATES, 'SHIVMANGAL', 3RD FLOOR, NEAR BIG BAZAR, AKURLI ROAD, KANDIVALI (EAST), MUMBAI - 400 101, MAHARASHTRA, INDIA.	gopanair@gnaipr.net

14	CHENNAI	1840/CHENP/2011	02/04/2018 00:00:00	K&S Partners Intellectual Property Attorneys, 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore - 560 038, Karnataka INDIA	ipo@knspartners.com,ipo@knspartners.com
15	CHENNAI	5459/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
16	CHENNAI	6227/CHENP/2013	02/04/2018 00:00:00	Anand and Anand Advocates B-41, Nizamuddin East New Delhi 110013, India Phone No: 0091-11-24355076, 24358078, 91-120-4059300 Fax No: 0091-11-24354243, 91-120-4243056,-058 E-mail: email@anandandanand.com, Gitanjali@anandandanand.com	email@anandandanand.com,archana@anandandanand.com
17	CHENNAI	2103/CHENP/2012	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
18	CHENNAI	3051/CHENP/2012	02/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com <mailto:archana@anandandanand.com>	archana@anandandanand.com,email@anandandanand.com
19	CHENNAI	2187/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
20	CHENNAI	2646/CHE/2009	02/04/2018 00:00:00	M/S. DEPENNING & DEPENNING, 120, VELACHERY MAIN ROAD, GUINDY, CHENNAI - 600 032.	patent@depenning.com
21	CHENNAI	740/CHENP/2013	02/04/2018 00:00:00	K&S Partners Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India Tel : + 91 (44) 49317777 Fax : + 91 (44) 49317788 E-mail: ipo@knspartners.com	ipo@knspartners.com,ipo@knspartners.com
22	CHENNAI	5977/CHENP/2011	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
23	CHENNAI	6059/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
24	CHENNAI	4058/CHENP/2013	02/04/2018 00:00:00	M/S. ANAND & ANAND ADVOCATES, FLAT GA, AR VILLA, NEW NO,31 (OLD NO.13), 3RD MAIN ROAD, GANDHI NAGAR, ADYAR, CHENNAI - 600 020, (INDIA).	email@anandandanand.com,archana@anandandanand.com

25	CHENNAI	56/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
26	CHENNAI	10763/CHENP/2012	02/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-47426666 FAX:#91-11-47426675 EMAIL:knk@kankrishme.com	knk@kankrishme.com
27	CHENNAI	4102/CHENP/2010	02/04/2018 00:00:00	M/S. REMFRY & SAGAR, ATTORNEYS-AT-LAW,376B(OLD NO.202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI - 600 086.	remfry-sagar@remfry.com
28	CHENNAI	4966/CHE/2012	02/04/2018 00:00:00	SHRI. U. KASIPANDIAN, DANIEL & GLADYS, ATTORNEYS, INTELLECTUAL PROPERTY RIGHTS, III FLOOR, YMCA BUILDING, 223, NSC BOSE ROAD, CHENNAI - 600 001.	ddaniel@eth.net
29	CHENNAI	1669/CHENP/2012	02/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai - 600 032	patent@depenning.com
30	CHENNAI	3289/CHE/2008	02/04/2018 00:00:00	IP Metrix Consulting Group No. 84, 1st Main Road, Panduranganagar, Bannerghatta Road, Bangalore-560076	patent@brainleague.com,patent@ipmetrix.com,patent@brainleague.com,patent@ipmetrix.com
31	CHENNAI	827/CHE/2010	02/04/2018 00:00:00	M/S. FOX MANDAL & ASSOCIATES, PATENT ATTORNEYS FM HOUSE, 6/12, PRIMROSE ROAD, BANGALORE - 560 025, KARNATAKA, INDIA.	bangalore@foxmandallittle.com
32	CHENNAI	4100/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com,patent@depenning.com
33	CHENNAI	6618/CHENP/2013	02/04/2018 00:00:00	Anand And Anand B 41 NIZAMUDDIN EAST	email@anandandanand.com,archana@anandandanand.com
34	CHENNAI	3791/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
35	CHENNAI	5325/CHENP/2011	02/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, 2, WALLACE GARDEN, 2ND STREET, CHENNAI 600 006, INDIA.	lsmds@lakshmisri.com,IPRDEL@LAKSHMISRI.COM
36	CHENNAI	4927/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
37	CHENNAI	4652/CHENP/2011	02/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO.1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com

38	CHENNAI	2702/CHE/2011	02/04/2018 00:00:00	RUPANAGUDI RAVI SHANKAR, HOUSE NO. 3-4-1005/A, BARKATPURA, HYDERABAD - 500 027, ANDHRA PRADESH, INDIA.	rupana@gmail.com
39	CHENNAI	380/CHENP/2012	02/04/2018 00:00:00	CANTWELL & CO 120 Velachery Main Road Guindy Chennai 600032 9144 - 42213409 9144 - 42213402 / 22350783 patent@cantwellandco.com	patent@cantwellandco.com
40	CHENNAI	1438/CHENP/2012	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
41	CHENNAI	3033/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
42	CHENNAI	8386/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
43	CHENNAI	4953/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
44	CHENNAI	672/CHENP/2011	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
45	CHENNAI	3966/CHE/2011	02/04/2018 00:00:00	S. SRINATH & S. BALACHANDRAN L.R. SWAMI CO., TRADE MARK AND PATENT ATTORNEYS, NO. 3, PLAYGROUND VIEW STREET, NANDANAM EXTENSION, CHENNAI-600 035, TAMIL NADU	hari_psgtek@yahoo.com
46	CHENNAI	2203/CHENP/2011	02/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE-560045	ravi.tumkur@philips.com
47	CHENNAI	4166/CHE/2012	02/04/2018 00:00:00	Anand and Anand Advocates B-41, Nizamuddin East New Delhi 110013, India Phone No: 0091-11-24355076, 24358078, 91-120-4059300 Fax No: 0091-11-24354243, 91-120-4243056,-058 E-mail: email@anandandanand.com, archana@anandandanand.com	email@anandandanand.com,archana@anandandanand.com
48	CHENNAI	5501/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
49	CHENNAI	7672/CHENP/2013	02/04/2018 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	remfry-sagar@remfry.com

50	CHENNAI	201841001942	02/04/2018 00:00:00	Prometheus Patent Services Pvt Ltd, Plot No. 34B, Sai Dwaraka Sinman, 1st Floor, HUDA Heights, Near Lotus Pond, MLA Colony, Road No. 12, Banjarahills, Hyderabad-500034, Telangana, India. vishnu.arcl@gmail.com	naresh@prometheusip.com,usharani@prometheusip.com
51	CHENNAI	383/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
52	CHENNAI	2929/CHENP/2012	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032	patent@depenning.com
53	CHENNAI	2201/CHENP/2013	02/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave	iprdel@lakshmisri.com
54	CHENNAI	4685/CHENP/2013	02/04/2018 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	remfry-sagar@remfry.com
55	CHENNAI	8928/CHENP/2011	02/04/2018 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	remfry-sagar@remfry.com
56	CHENNAI	2700/CHE/2012	02/04/2018 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS B-483, KNK House, Meera Bagh, Paschim Vihar, New Delhi-110063, India Telephone #: 91-11-47426666,45570275/76 Facsimile #: 91-1147426675/76,42334002/03 E-mail: knk@kankrishme.com	knk@kankrishme.com,knk@kankrishme.com
57	CHENNAI	8746/CHENP/2013	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
58	CHENNAI	973/CHE/2012	02/04/2018 00:00:00	IP Metrix Consulting Group No. 84, 1st Main Road, Panduranganagar, Bannerghatta Road, Bangalore-560076	patent@brainleague.com,patent@ipmetrix.com
59	CHENNAI	2808/CHENP/2010	02/04/2018 00:00:00	SHRI. LAKSHMI KUMARAN & SRIDHARAN, 2, WALLACE GARDEN, 2ND STREET, CHENNAI 600 006.	iprdel@lakshmisri.com
60	CHENNAI	2521/CHE/2010	02/04/2018 00:00:00	M/S. DE PENNING & DE PENNING, 120, VELACHERY MAIN ROAD, GUINDY, CHENNAI - 600 032	patent@depenning.com
61	CHENNAI	377/CHENP/2012	02/04/2018 00:00:00	CANTWELL & CO 120 Velachery Main Road Guindy Chennai 600032 9144 - 42213409 9144 - 42213402 / 22350783 patent@cantwellandco.com	patent@cantwellandco.com

62	CHENNAI	991/CHE/2012	02/04/2018 00:00:00	SHRI. GOPALAKRISHNA SHARMA S, S/O SUBRAHMANYA BHAT, SARAVU HOUSE, POST PADRE VIA PERLA, KASARAGOD, KERALA - 671 552.	gksharmasaravu@gmail.com
63	CHENNAI	2953/CHE/2012	02/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-43776666 FAX:#91-11-43776676 EMAIL:knk@kankrishme.com	knk@kankrishme.com
64	CHENNAI	8216/CHENP/2010	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
65	CHENNAI	2287/CHE/2014	02/04/2018 00:00:00	SHRI. BABU NINAN, ANAKOTTOOR VILLA, PNRA-E21, USHUS NAGAR, PANGAPPARA P.O, TRIVANDRUM.	coreninan@gmail.com
66	CHENNAI	7803/CHENP/2012	02/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
67	CHENNAI	9919/CHENP/2012	02/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India Tel : + 91 (44) 49317777 Fax : + 91 (44) 49317788 E-mail: ipo@knspartners.com	ipo@knspartners.com
68	CHENNAI	8547/CHENP/2011	03/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED MANYATA TECH PARK NAGAVARA BANGALORE-560045	ravi.tumkur@philips.com
69	CHENNAI	2292/CHENP/2012	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
70	CHENNAI	1090/CHE/2015	03/04/2018 00:00:00	KHURANA & KHURANA, Advocates and IP Attorneys E-13, UPSIDC, Site-IV, Behind-Grand Venice, Kasna Road, Greater Noida 201310, UP, National Capital Region, India.	docket@khuranaandkhurana.com,info@khuranaandkhurana.com
71	CHENNAI	3557/CHE/2012	03/04/2018 00:00:00	M/S. DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
72	CHENNAI	4349/CHENP/2012	03/04/2018 00:00:00	Vishwanath & Global Attorneys #42-839 Meghanaakash Arcade IInd Floor Moulali Hyderabad-500 040 Andhra Pradesh.	rbv@vgaip.com,ram.attorney@gmail.com,rbv@vgaip.com,ram.attorney@gmail.com

73	CHENNAI	3599/CHE/2012	03/04/2018 00:00:00	M. PRABHAKARAN, INDIAN PATENT GLOBAL SERVICES, 17-1-383/IP/124, INDRAPRASTA TOWNSHIP (PHASE-1), SAIDABAD, HYDERABAD - 500 059, INDIA.	pmanikkoth@yahoo.com
74	CHENNAI	4550/CHENP/2012	03/04/2018 00:00:00	ZEUS IP ADVOCATES C-4 JANGPURA EXTENSION NEW DELHI 110 014 TEL:91-11-41370000 FAX:91-11-41824334 EMAIL:Info@zeusip.com WEBSITE:www.zeusIP.com	info@zeusip.com
75	CHENNAI	5678/CHENP/2013	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
76	CHENNAI	3722/CHENP/2011	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI - 600 032.	patent@depenning.com
77	CHENNAI	3507/CHE/2010	03/04/2018 00:00:00	FOX MANDAL & ASSOCIATES PATENT ATTORNEYS FM HOUSE, 6/12, PRIMROSE ROAD BANGALORE - 560025	santosh.singh@foxmandallittle.com,ip.bangalore@foxmandal.com
78	CHENNAI	5546/CHENP/2015	03/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com,patent@depenning.com,patent@depenning.com
79	CHENNAI	1331/CHENP/2014	03/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
80	CHENNAI	3088/CHE/2010	03/04/2018 00:00:00	TVS MOTOR COMPANY LIMITED., JAYALAKSHMI ESTATES NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI-600 006.	chennai-patent@nic.in
81	CHENNAI	2000/CHE/2012	03/04/2018 00:00:00	C/o. Intepat IP Services Pvt Ltd 176 Indra Complex Sarakki Main Road Sarakki JP Nagar 1st Phase Bangalore - 560078	senthil@intepat.com
82	CHENNAI	6022/CHENP/2011	03/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
83	CHENNAI	9731/CHENP/2013	03/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
84	CHENNAI	4713/CHENP/2012	03/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com <mailto:archana@anandandanand.com>	archana@anandandanand.com,email@anandandanand.com

85	CHENNAI	5887/CHENP/2011	03/04/2018 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	remfry-sagar@remfry.com
86	CHENNAI	6008/CHENP/2011	03/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE-560045	ravi.tumkur@philips.com
87	CHENNAI	3787/CHENP/2011	03/04/2018 00:00:00	Vishwanath & Global Attorneys, #42-839, Meghanaakash Arcade, IInd Floor, Moulali, Hyderabad-500 040, Andhra Pradesh, INDIA.	rbv@vgaip.com,ram.attorney@gmail.com
88	CHENNAI	742/CHENP/2014	03/04/2018 00:00:00	K&S PARTNERS Intellectual Property Attorneys Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India Tel: + 91 (44) 49317777 Fax: + 91 (44) 49317788 Email: ipo@knspartners.com	ipo@knspartners.com
89	CHENNAI	1987/CHENP/2013	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
90	CHENNAI	9341/CHENP/2011	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
91	CHENNAI	3642/CHE/2012	03/04/2018 00:00:00	M/S. DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
92	CHENNAI	925/CHENP/2012	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
93	CHENNAI	2792/CHE/2010	03/04/2018 00:00:00	D.P CHAKRAVARTHY PLOT NO 79 PHASE-III SVICE BALANAGAR HYDERABAD R R DISTRICT ANDHRA PRADESH-500037 PHONE NO:09397819199 040-23779199	eesavyasatechnologies@yahoo.co.in
94	CHENNAI	10001/CHENP/2012	03/04/2018 00:00:00	K&S PARTNERS Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India T: + 91 (44) 49317777 M: +91 8130055293 F: + 91 (44) 49317788 E-mail: ipo@knspartners.com	ipo@knspartners.com
95	CHENNAI	2912/CHE/2012	03/04/2018 00:00:00	J. BHUVANESWARI-PATENT AGENT, NO.11, KAMALA BAI STREET, T. NAGAR, CHENNAI - 600 017.	bhoo_2001@yahoo.com,bhoo_2001@yahoo.com

96	CHENNAI	6763/CHENP/2013	03/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
97	CHENNAI	2825/CHE/2009	03/04/2018 00:00:00	M/s. DePenning & DePenning, 120, Velachery Main Road, Guindy, Chennai - 32.	patent@depenning.com
98	CHENNAI	6426/CHENP/2013	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
99	CHENNAI	9262/CHENP/2013	03/04/2018 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	remfry-sagar@remfry.com
100	CHENNAI	5483/CHENP/2012	03/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
101	CHENNAI	3258/CHENP/2012	03/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com <mailto:archana@anandandanand.com>	email@anandandanand.com,email@anandandanand.com
102	CHENNAI	3483/CHENP/2013	03/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, 2, WALLACE GARDEN, 2ND STREET, CHENNAI 600 006, INDIA.	lsmds@lakshmisri.com,IPRDEL@LAKSHMISRI.COM
103	CHENNAI	1771/CHENP/2015	03/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
104	CHENNAI	4539/CHENP/2012	03/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED MANYATA TECH PARK NAGAVARA BANGALORE-560045	ravi.tumkur@philips.com
105	CHENNAI	2582/CHENP/2013	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
106	CHENNAI	7460/CHENP/2011	03/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com <mailto:archana@anandandanand.com>	email@anandandanand.com

107	CHENNAI	2029/CHENP/2011	03/04/2018 00:00:00	Vishwanath & Global Attorneys, #42-839, Meghanaakash Arcade, IInd Floor, Moulali, Hyderabad-500 040, Andhra Pradesh.	rbv@vgaip.com,ram.attorney@gmail.com
108	CHENNAI	5697/CHENP/2013	03/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India Tel : + 91 (44) 49317777 Fax : + 91 (44) 49317788 Email: ipo@knspartners.com	ipo@knspartners.com
109	CHENNAI	5454/CHENP/2011	03/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, 2, WALLACE GARDEN, 2ND STREET, CHENNAI 600 006, INDIA.	lsmds@lakshmisri.com
110	CHENNAI	6780/CHENP/2010	03/04/2018 00:00:00	Anand and Anand Advocates B-41, Nizamuddin East New Delhi - 110013, India Phone No: 0091-11-24355076, 24358078, 91-120-4059300 Fax No: 0091-11-24354243, 91-120-4243056,-058 E-mail: emailfajam archan	nokia.IPR@nokia.com,email@anandandanand.com,archana@anandandanand.com
111	CHENNAI	1835/CHENP/2012	03/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376-B (Old No.202) Avvai Shanmugam Salai, Gopalapuram Chennai - 600 086, India Tel & Fax : 91-44-4263 7392 E-Mail : remfry-sagar@remfry.com	remfry-sagar@remfry.com,ipo@iphorizons.com
112	CHENNAI	1801/CHENP/2012	03/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai - 600 032	patent@depenning.com
113	CHENNAI	2377/CHE/2013	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
114	CHENNAI	756/CHE/2008	03/04/2018 00:00:00	M/s DePenning & DePenning, 31, South Bank Road, Chennai-600028.	patent@depenning.com,patent@depenning.com
115	CHENNAI	3299/CHENP/2011	03/04/2018 00:00:00	K&S Partners Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore - 560 038, Karnataka INDIA	ipo@knspartners.com
116	CHENNAI	7930/CHENP/2011	03/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED MANYATA TECH PARK NAGAVARA BANGALORE-560045	ravi.tumkur@philips.com,ravi.tumkur@philips.com
117	CHENNAI	8607/CHENP/2013	03/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
118	CHENNAI	1600/CHE/2011	03/04/2018 00:00:00	B. BALAJI, S/O. R. BALA SUBRAMANI, VASAVI R&D CENTRE, 2, KALAIVANAR CROSS STREET, ORAGADAM, AMBATTUR HPO, CHENNAI - 600 053, TAMILNADU, INDIA.	balaji264@yahoo.com

119	CHENNAI	6092/CHENP/2011	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
120	CHENNAI	5683/CHE/2014	03/04/2018 00:00:00	MOHAN ASSOCIATES CEEBROS BUILDING, D-4, III FLOOR, NEW NO. 32, OLD NO. 11, CENETOPH ROAD, TEYNAMPET, CHENNAI 600 018, INDIA.	aamohan@iprightsindia.com,brinda@iprightsindia.com
121	CHENNAI	1210/CHE/2012	03/04/2018 00:00:00	TVS MOTOR COMPANY LIMITED JAYALAKSHMI ESTATES, 29 (OLD NO.8), HADDOWS ROAD, CHENNAI - 600 006	rna@scl.co.in
122	CHENNAI	5601/CHENP/2015	03/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
123	CHENNAI	2824/CHE/2013	03/04/2018 00:00:00	SHRI. R. SRINIVASAN, F2, BHAVITHRA APARTMENT, NO:6 BHARATHIYAR STREET, CHROMEPET, CHENNAI - 600 044.	uplisrinivasan@gmail.com
124	CHENNAI	2326/CHENP/2012	03/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED MANYATA TECH PARK NAGAVARA BANGALORE-560045	ravi.tumkur@philips.com
125	CHENNAI	3250/CHE/2013	03/04/2018 00:00:00	SHRI. D. MOSES JEYAKARAN, ADVOCATE & PATENT AGENT, 245/105, METTU STREET, AYANAVARAM, CHENNAI - 600 023.	mjeyakaran@yahoo.com
126	CHENNAI	2379/CHENP/2012	03/04/2018 00:00:00	R.K.Dewan & Co., 5 th Floor Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001, India Email.Id: dewan@rkdewanmail.com	dewan@rkdewanmail.com,patents@dpahuja.com
127	CHENNAI	7131/CHENP/2011	03/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com,patent@depenning.com
128	CHENNAI	3868/CHE/2011	04/04/2018 00:00:00	SHRI. GANESH.V. MATTIKOPPA, #102, 4TH CROSS, B BLOCK, DEVRAJ URS LAYOUT, DAVANGERE - 06, KARNATAKA.	ganshv.mattikoppa@gmai.com
129	CHENNAI	518/CHE/2013	04/04/2018 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS B-483, KNK House, Meera Bagh, Paschim Vihar, New Delhi-110063, India Telephone #: 91-11-43776666, E-mail: knk@kankrishme.com	knk@kankrishme.com

130	CHENNAI	572/CHENP/2014	04/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
131	CHENNAI	10257/CHENP/2013	04/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
132	CHENNAI	4540/CHENP/2011	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
133	CHENNAI	10368/CHENP/2012	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
134	CHENNAI	3010/CHENP/2012	04/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 105 Mettu Street Ayanavaram Chennai-600 023 Tamil Nadu India	Ipo@Knspartners.com
135	CHENNAI	2666/CHE/2012	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
136	CHENNAI	214/CHENP/2015	04/04/2018 00:00:00	LAKSHMIKUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India Telephone No.: (+91) 044 2833 4700 Fax No: (+91) 044 2833 4702 Email: iprdel@lakshmisri.com	iprdel@lakshmisri.com
137	CHENNAI	673/CHE/2011	04/04/2018 00:00:00	C/o.Intepat IP Services Pvt Ltd, 176, Indra Complex, Sarakki Main Road, Sarakki, JP Nagar 1st Phase, Bangalore - 560078	senthil@intepat.com
138	CHENNAI	3644/CHE/2012	04/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 105 Mettu Street Ayanavaram Chennai-600 023 Tamil Nadu India	ipo@knspartners.com
139	CHENNAI	8464/CHENP/2011	04/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com <mailto:archana@anandandanand.com>	email@anandandanand.com,email@anandandanand.com
140	CHENNAI	428/CHENP/2013	04/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India Tel : + 91 (44) 49317777 Fax : + 91 (44) 49317788 Email: ipo@knspartners.com	ipo@knspartners.com

141	CHENNAI	7645/CHENP/2011	04/04/2018 00:00:00	Law Firm of Naren Thappeta #7 Sigma Soft Tech Park 5th Floor Beta Block Whitefield Main Road Varthur Kodi Bangalore Karnataka PIN: 560 066 Telephone No: 08028541041 Fax No: 08066886198 E-mail: ipo@iphorizons.com	ipo@iphorizons.com
142	CHENNAI	1618/CHE/2014	04/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy, Chennai 600 032 Phone:9144 - 42213444 Fax:9144 - 42213402 E-mail:patent@depenning.com	patent@depenning.com
143	CHENNAI	1432/CHENP/2011	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI - 600 032.	patent@depenning.com
144	CHENNAI	3679/CHENP/2012	04/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai - 600 032	patent@depenning.com
145	CHENNAI	4449/CHENP/2014	04/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85, LAVELLE ROAD, BANGALORE 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
146	CHENNAI	2691/CHENP/2012	04/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-43776666 FAX:#91-11-43776676 EMAIL:knk@kankrishme.com	knk@kankrishme.com
147	CHENNAI	2190/CHENP/2012	04/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai - 600 032	patent@depenning.com
148	CHENNAI	3675/CHENP/2012	04/04/2018 00:00:00	ALTACIT GLOBAL CREATIVE ENCLAVE, IIIRD FLOOR, 148-150, LUZ CHURCH ROAD, MYLAPORE, CHENNAI - 600 004.	ip@altacit.com
149	CHENNAI	5629/CHE/2015	04/04/2018 00:00:00	M/S.KING & PARTRIDGE, 108, ARMENIAN STREET, 2ND FLOOR, CATHOLIC CENTRE, CHENNAI - 600 001, kp@eth.net	kp@eth.net
150	CHENNAI	227/CHE/2013	04/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-47426666 FAX:#91-11-47426675 EMAIL:knk@kankrishme.com	knk@kankrishme.com
151	CHENNAI	3113/CHENP/2011	04/04/2018 00:00:00	SURANA & SURANA INTERNATIONAL ATTORNEYS, INTERNATIONAL LAW CENTER, NO. 61-63, Dr. RADHAKRISHNAN SALAI, MYLAPORE, CHENNAI - 600 004, TAMIL NADU, INDIA.	iplaw@lawindia.com

152	CHENNAI	10378/CHENP/2013	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
153	CHENNAI	1933/CHENP/2013	04/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India Tel : + 91 (44) 49317777 Fax : + 91 (44) 49317788 E-mail: ipo@knspartners.com	ipo@knspartners.com
154	CHENNAI	1743/CHE/2007	04/04/2018 00:00:00	DASWANI & DASWANI, PRAJAY CORPORATE HOUSE, 1-10-63 & 64, CHIKOTI GARDENS, BEGUMPET, HYDERABAD-500 016.	kolkata@daswaniindia.net
155	CHENNAI	8908/CHENP/2011	04/04/2018 00:00:00	K&S Partners 4121/B 6th Cross 19A Main HAL II Stage (Extension) Bangalore - 560 038 Karnataka INDIA	ipo@knspartners.com
156	CHENNAI	3346/CHENP/2012	04/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
157	CHENNAI	1853/CHE/2011	04/04/2018 00:00:00	JAYALAKSHMI ESTATES NO.24 (OLD NO.8) HADDOWS ROAD, CHENNAI - 600 006	ipr@tvsmotor.com
158	CHENNAI	4178/CHENP/2012	04/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai - 600 032	patent@depenning.com
159	CHENNAI	7625/CHENP/2014	04/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032	patent@depenning.com
160	CHENNAI	3411/CHENP/2013	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
161	CHENNAI	4377/CHENP/2011	04/04/2018 00:00:00	CANTWELL & CO, 31 SOUTH BANK ROAD, CHENNAI 600 028.	patent@cantwellandco.com
162	CHENNAI	5439/CHENP/2013	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
163	CHENNAI	208/CHENP/2013	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
164	CHENNAI	2189/CHENP/2014	04/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
165	CHENNAI	3522/CHENP/2013	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com

166	CHENNAI	9186/CHENP/2011	04/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com <mailto:archana@anandandanand.com>	archana@anandandanand.com,email@anandandanand.com
167	CHENNAI	519/CHE/2013	04/04/2018 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS B-483, KNK HOUSE, MEERA BAGH, PASCHIM VIHAR, NEW DELHI -110063, INDIA TELEPHONE #: 91-11-43776666 (100 LINES) FACSIMILE #: 91-11-43776676/77 E-MAIL: KNK@KANKRISHME.COM	knk@kankrishme.com
168	CHENNAI	3259/CHENP/2012	04/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com <mailto:archana@anandandanand.com>	email@anandandanand.com
169	CHENNAI	9014/CHENP/2012	04/04/2018 00:00:00	ARUNACHALAM APPAJI MOHAN, M/S. MOHAN ASSOCIATES, ADVOCATES, PATENT & TRADE MARK ATTORNEYS, CEEBROS BUILDING, D-4, III FLOOR, NEW NO. 32, OLD NO. 11, CENETOPH ROAD, TEYNAMPET, CHENNAI - 600 018.	aamohan@iprightsindia.com,brinda@iprightsindia.com
170	CHENNAI	5368/CHENP/2013	04/04/2018 00:00:00	No 7 Sigma Soft Tech Park Beta Block 5th Floor Whitefield Main Rd	ipo@iphorizons.com
171	CHENNAI	5386/CHENP/2012	04/04/2018 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS B-483, KNK House, Meera Bagh, Paschim Vihar, New Delhi-110063, India	knk@kankrishme.com
172	CHENNAI	1413/CHENP/2014	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com

173	CHENNAI	8475/CHENP/2013	04/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
174	CHENNAI	4679/CHE/2012	04/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 105 Mettu Street Ayanavaram Chennai-600 023 Tamil Nadu India	ipo@knspartners.com
175	CHENNAI	4987/CHENP/2011	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
176	CHENNAI	2592/CHE/2014	05/04/2018 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS B-483, KNK House, Meera Bagh, Paschim Vihar, New Delhi-110063, India Telephone #: 91-11-43776666 (100 Lines) Facsimile #: 91-11-43776676/77 E-mail: knk(g)kankrishme.com	knk@kankrishme.com
177	CHENNAI	7802/CHENP/2012	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com,patent@depenning.com
178	CHENNAI	1114/CHENP/2013	05/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-43776666 FAX:#91-11-43776676 EMAIL:knk@kankrishme.com	knk@kankrishme.com
179	CHENNAI	8023/CHENP/2011	05/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
180	CHENNAI	7403/CHENP/2010	05/04/2018 00:00:00	Law Firm of Naren Thappeta Sigma Soft Tech Park, 5th Floor, Beta Block, Whitefield Main Road, Varthur Kodi, Bangalore, Karnataka, PIN: 560 066, Telephone No: 08028541041 Fax No: 08066886198 E-mail: ipo@iphorizons.com	ipo@iphorizons.com
181	CHENNAI	1946/CHENP/2015	05/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave	iprdel@lakshmisri.com
182	CHENNAI	3441/CHENP/2010	05/04/2018 00:00:00	Dr. T. V. RAVI PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE - 5600 45	ravi.tumkur@philips.com
183	CHENNAI	1300/CHENP/2012	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
184	CHENNAI	5752/CHENP/2015	05/04/2018 00:00:00	B6/10 SAFDARJUNG ENCLAVE	iprdel@lakshmisri.com

185	CHENNAI	201641024403	05/04/2018 00:00:00	KHURANA & KHURANA, Advocates and IP Attorneys E-13, UPSIDC, Site-IV, Behind Grand Venice, Kasna Road, Greater Noida 201310, UP, National Capital Region, India.	tarun@khuranaandkhurana.com,tarun@khuranaandkhurana.com
186	CHENNAI	2515/CHE/2012	05/04/2018 00:00:00	M/S. TVS MOTOR COMPANY LIMITED, JAYALAKSHMI ESTATES • NO.29 (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006.	rna@scl.co.in
187	CHENNAI	3506/CHE/2011	05/04/2018 00:00:00	SHRI. THAIKATTIL, JOSE, THAIKATTIL HOUSE, TIRURANGADI P.O, KERALA STATE, 676 306, INDIA.	josethaikattil@yahoo.co.in
188	CHENNAI	5543/CHE/2012	05/04/2018 00:00:00	SHRI. PRASAD MUTHUKUMAR, 20/66, 2ND STREET, DHARMANAGAR, SURAMANGALAM, SALEM-5, TAMILNADU, PINCODE - 636 005.	prasad_neteng@yahoo.com
189	CHENNAI	6207/CHENP/2012	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
190	CHENNAI	870/CHENP/2011	05/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 105, Mettu Street, Ayanavaram Chennai-600 023 Tamil Nadu, India	ipo@knspartners.com,ipo@knspartners.com
191	CHENNAI	3130/CHENP/2015	05/04/2018 00:00:00	Dr. M. Jayakumar, Ph.D., Associate Director, Intellectual Property Management, Proprietary Products R&D, Dr. Reddy's Laboratories Ltd., SURVEY NO.42, 45, 46 & 54, BACHUPALLY VILLAGE, MEDCHAL DISTRICT, HYDERABAD-500 090, TELANGANA, INDIA. ipm@drreddys.com	ipm@drreddys.com,jayakumarm@drreddys.com
192	CHENNAI	6391/CHENP/2012	05/04/2018 00:00:00	K&S Partners Intellectual Property Attorneys 4121/B 6th Cross 19A Main HAL II Stage (Extension) Bangalore - 560 038 Karnataka INDIA	ipo@knspartners.com
193	CHENNAI	4242/CHENP/2013	05/04/2018 00:00:00	OBHAN & ASSOCIATES 501/7, LANE W-21 A, WESTERN AVENUE, SAINIK FARMS, NEW DELHI 110 080 Phone:+91 11 64645191 Fax:+91 11 29554179 Email: email@obhans.com	email@obhans.com
194	CHENNAI	7935/CHENP/2012	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
195	CHENNAI	913/CHENP/2009	05/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE-560045	ravi.tumkur@philips.com

196	CHENNAI	8814/CHENP/2011	05/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED MANYATA TECH PARK NAGAVARA BANGALORE-560045	ravi.tumkur@philips.com
197	CHENNAI	432/CHE/2010	05/04/2018 00:00:00	M/S. DE PENNING & DE PENNING 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI - 600 032.	patent@depenning.com
198	CHENNAI	7893/CHENP/2012	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com,patent@depenning.com,patent@depenning.com
199	CHENNAI	1498/CHENP/2013	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
200	CHENNAI	9518/CHENP/2013	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
201	CHENNAI	5725/CHENP/2012	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
202	CHENNAI	4546/CHE/2012	05/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 105 Mettu Street Ayanavaram Chennai-600 023 Tamil Nadu India	ipo@knspartners.com
203	CHENNAI	1896/CHENP/2011	05/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032 9144 - 42213444 9144 - 42213402 patent@depenning.com	ipo@knspartners.com,patent@depenning.com
204	CHENNAI	1583/CHE/2013	05/04/2018 00:00:00	JAMSHID AL RAHMAN, SHUKRILLA MANZIL (H), CHIRAYIL (P.O.), KONDOTTY, MLP, KERALA - 673 638.	jamshidalrahman@gmail.com
205	CHENNAI	6927/CHENP/2014	05/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
206	CHENNAI	4572/CHENP/2013	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com,patent@depenning.com
207	CHENNAI	1599/CHE/2013	05/04/2018 00:00:00	No: 399, 15th Cross, 5th Main, Sector-6, HSR Layout, Bangalore: 560102	ipo@invntree.com
208	CHENNAI	2370/CHE/2008	05/04/2018 00:00:00	LEX ORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg New Delhi 110 001 India Telephone No. 91 11 23716565 Mobile No. 9811161518 Fax No. 91 11 23716556 E-mail ID mail@lexorbis.com	mail@lexorbis.com
209	CHENNAI	1187/CHENP/2011	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI-600 032.	patent@depenning.com

210	CHENNAI	1606/CHENP/2013	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
211	CHENNAI	8697/CHENP/2013	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
212	CHENNAI	6004/CHENP/2012	05/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202) Avvai Shanmugam Salai Gopalapuram Chennai - 600 086	remfry-sagar@remfry.com
213	CHENNAI	4767/CHENP/2013	05/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-43776666 FAX:#91-11-43776676 EMAIL:knk@kankrishme.com	knk@kankrishme.com
214	CHENNAI	1107/CHENP/2014	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
215	CHENNAI	511/CHE/2013	05/04/2018 00:00:00	Dr Kalyan Chakravarthy Brain League IP Counsels No.40,2nd Floor, 3rd Main Road, JC Industrial Estate,Kanakapura Road Bangalore-62	patent@brainleague.com,patent@bananaip.com
216	CHENNAI	3443/CHENP/2013	05/04/2018 00:00:00	Anand And Anand B 41 NIZAMUDDIN EAST NEW DELHI	archana@anandandanand.com
217	CHENNAI	572/CHE/2009	05/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN NO.2, WALLACE GARDEN, 2ND STREET, CHENNAI - 600 006.	lsmds@lakshmisri.com,IPRDEL@LAKSHMISRI.COM
218	CHENNAI	2763/CHE/2013	05/04/2018 00:00:00	SHRI. THAIKATTIL, JOSE, THAIKATTIL HOUSE, OLLUKARA P.O, THRISSUR, KERALA STATE 680 655, INDIA.	josethaikattil@yahoo.co.in
219	CHENNAI	1584/CHE/2013	05/04/2018 00:00:00	SHRI. A.K. SOUNDARARAJAN, S/O. K. KUMARASAMY, 9/65-A, VELAN KATTU THOTTAM, ANJANUR (PO), GOBI (TK), ERODE (DT), PIN 638 462, TAMIL NADU, INDIA.	akssoundararajan@gmail.com
220	CHENNAI	7430/CHENP/2010	05/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, 2, WALLACE GARDEN, 2ND STREET, CHENNAI 600 006, INDIA.	lsmds@lakshmisri.com,IPRDEL@LAKSHMISRI.COM
221	CHENNAI	865/CHENP/2013	05/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India Tel : + 91 (44) 49317777 Fax : + 91 (44) 49317788 Email: ipo@knspartners.com	ipo@knspartners.com

222	CHENNAI	1501/CHENP/2013	05/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
223	CHENNAI	2542/CHENP/2011	05/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, 2, WALLACE GARDEN, 2ND STREET, CHENNAI 600 006, INDIA.	lsmds@lakshmisri.com,IPRDEL@LAKSHMISRI.COM
224	CHENNAI	720/CHENP/2013	05/04/2018 00:00:00	109 Sectore 44 Gurgaon National Capital Region Haryana	ipo@knspartners.com
225	CHENNAI	4726/CHENP/2012	06/04/2018 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202) Avvai Shanmugam Salai Gopalapuram Chennai - 600 086	remfry-sagar@remfry.com
226	CHENNAI	3315/CHENP/2012	06/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai - 600 032	patent@depenning.com
227	CHENNAI	7436/CHENP/2011	06/04/2018 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED MANYATA TECH PARK NAGAVARA BANGALORE-560045	ravi.tumkur@philips.com,ravi.tumkur@philips.com
228	CHENNAI	8296/CHENP/2011	06/04/2018 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, 2, WALLACE GARDEN, 2ND STREET, CHENNAI 600 006, INDIA.	lsmds@lakshmisri.com,IPRDEL@LAKSHMISRI.COM
229	CHENNAI	191/CHE/2012	06/04/2018 00:00:00	M/S. DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
230	CHENNAI	9813/CHENP/2012	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
231	CHENNAI	2415/CHE/2015	06/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy, Chennai 600 032.	patent@depenning.com
232	CHENNAI	3462/CHENP/2012	06/04/2018 00:00:00	CANTWELL & CO 120 Velachery Main Road Guindy Chennai 600032 9144 - 42213409 9144 - 42213402 / 22350783 patent@cantwellandco.com	patent@cantwellandco.com
233	CHENNAI	1190/CHENP/2013	06/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
234	CHENNAI	3187/CHENP/2014	06/04/2018 00:00:00	Plot No 32 47 50 EPIP Area Whitefield Bangalore	patentsin@novozymes.com
235	CHENNAI	5306/CHENP/2013	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
236	CHENNAI	2368/CHENP/2009	06/04/2018 00:00:00	Cantwell & Co 120, Velachery Main Road, Guindy Chennai 600 032	patent@cantwellandco.com

237	CHENNAI	10251/CHENP/2012	06/04/2018 00:00:00	K&S PARTNERS Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India T: + 91 (44) 49317777 M: +91 8130055293 F: + 91 (44) 49317788 E-mail: ipo@knspartners.com	ipo@knspartners.com
238	CHENNAI	7123/CHENP/2011	06/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com	archana@anandandanand.com
239	CHENNAI	2568/CHE/2010	06/04/2018 00:00:00	M/S. DE PENNING & DE PENNING, 120, VELACHERY MAIN ROAD, GUINDY, CHENNAI - 600 032.	patent@depenning.com
240	CHENNAI	670/CHE/2010	06/04/2018 00:00:00	FOX MANDAL & ASSOCIATES FM HOUSE, 6/12. PRIMROSE ROAD BANAGLORE - 560 025, KARNATAKA, INDIA	santosh.singh@foxmandallittle.com
241	CHENNAI	18/CHE/2014	06/04/2018 00:00:00	DR. B. DEEPA, OLD NO. 9/NEW NO. 29, EKAMBARAM STREET, OLD WASHERMEN PET, CHENNAI - 600 021.	intellpat@gmail.com
242	CHENNAI	1382/CHE/2012	06/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 4121/B 6th Cross 19A Main HAL II Stage (Extension) Bangalore 560 038 Karnataka India	ipo@knspartners.com
243	CHENNAI	862/CHE/2009	06/04/2018 00:00:00	L.S.DAVAR & CO., 32, Radha Madhab Dutta Garden Lane, Kolkata- 700 010	lsdavar@ndf.vsnl.net.in
244	CHENNAI	6650/CHENP/2013	06/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
245	CHENNAI	4210/CHENP/2014	06/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
246	CHENNAI	6447/CHENP/2011	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
247	CHENNAI	3738/CHENP/2014	06/04/2018 00:00:00	PMG ASSOCIATES EF7/10 VASANTH NAGAR PALARIVATTOM	info@pmgip.com,info@pmgip.com

248	CHENNAI	5278/CHENP/2012	06/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-43776666 FAX:#91-11-43776676 EMAIL:knk@kankrishme.com	knk@kankrishme.com
249	CHENNAI	9369/CHENP/2014	06/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600 032 India	patent@depenning.com
250	CHENNAI	8509/CHENP/2011	06/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com <mailto:archana@anandandanand.com>	archana@anandandanand.com,email@anandandanand.com
251	CHENNAI	4303/CHE/2011	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
252	CHENNAI	1342/CHENP/2014	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
253	CHENNAI	5244/CHENP/2012	06/04/2018 00:00:00	LEX ORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg New Delhi 110 001 India Telephone No. 91 11 23716565 Mobile No. 9811161518 Fax No. 91 11 23716556 E-mail ID mail@lexorbis.com	mail@lexorbis.com
254	CHENNAI	8350/CHENP/2012	06/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-47426666 FAX:#91-11-47426675 EMAIL:knk@kankrishme.com	knk@kankrishme.com
255	CHENNAI	5847/CHENP/2012	06/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
256	CHENNAI	5259/CHENP/2010	06/04/2018 00:00:00	M/S. REMFRY & SAGAR, ATTORNEYS-AT-LAW 376-B, (OLD NO.202) AVVAI SHANMUGHAM SALAI, GOPALAPURAM, CHENNAI - 600 086.	remfry-sagar@remfry.com,remfry-sagar@remfry.com

257	CHENNAI	5307/CHENP/2014	06/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
258	CHENNAI	3301/CHE/2012	06/04/2018 00:00:00	M/S. DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
259	CHENNAI	2368/CHENP/2013	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
260	CHENNAI	1713/CHENP/2012	06/04/2018 00:00:00	CANTWELL & CO 120 Velachery Main Road Guindy Chennai 600032 9144 - 42213409 9144 - 42213402 / 22350783 patent@cantwellandco.com	patent@cantwellandco.com
261	CHENNAI	1262/CHENP/2013	06/04/2018 00:00:00	4121/B 6th Cross 19th A Main HAL II Stage [Extension]	bangalore@knspartners.com,chennai-patent@nic.in
262	CHENNAI	509/CHE/2009	06/04/2018 00:00:00	TVS MOTOR COMPANY LIMITED, JAYALAKSHMI ESTATES NO. 24 (OLD NO.8) HADDOWS ROAD, CHENNAI - 600 006.	rna@scl.co.in
263	CHENNAI	178/CHE/2010	06/04/2018 00:00:00	M/S. MOHAN ASSOCIATES, ADVOCATES, PATENT & TRADE MARK ATTORNEYS, CEEBROS BUILDING, D-4, IIIRD FLOOR, NEW NO.32(OLD NO.11), CENOTAPH ROAD, TEYNAMPET, CHENNAI - 600 018, INDIA.	aamohan@iprightsindia.com,brinda@iprightsindia.com
264	CHENNAI	431/CHENP/2013	06/04/2018 00:00:00	K&S Partners Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India T: + 91 (44) 49317777 F: + 91 (44) 49317788 E-mail: ipo@knspartners.com	ipo@knspartners.com,ipo@knspartners.com
265	CHENNAI	6635/CHENP/2009	06/04/2018 00:00:00	Dr. T. V. RAVI PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE - 5600 45	ravi.tumkur@philips.com,ravi.tumkur@philips.com
266	CHENNAI	1194/CHENP/2013	06/04/2018 00:00:00	KAN & KRISHME KNK HOUSE, B-483, MEERA BAGH, PASCHIM VIHAR, NEW DELHI - 110 063.	knk@kankrishme.com
267	CHENNAI	4851/CHENP/2013	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
268	CHENNAI	5053/CHENP/2012	06/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-47426666 FAX:#91-11-43776676 EMAIL:knk@kankrishme.com	knk@kankrishme.com

269	CHENNAI	6757/CHENP/2012	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
270	CHENNAI	201741035240	06/04/2018 00:00:00	Senthil Kumar.B Agent Code : IN/PA-1549 New No.35, Old No.16 Ramanuja Nagar, Konnur High Road, Ayanavaram, Chennai 600023 Email : sriipsearcher@gmail.com Tel : 98410 78077	sriipsearcher@gmail.com,senthil@chennaitrademark.com
271	CHENNAI	6506/CHE/2014	06/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032	patent@depenning.com
272	CHENNAI	2469/CHENP/2012	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
273	CHENNAI	8403/CHENP/2011	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
274	CHENNAI	3633/CHENP/2012	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
275	CHENNAI	2937/CHE/2012	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
276	CHENNAI	6213/CHENP/2012	06/04/2018 00:00:00	D.P. AHUJA & CO., D-4, CASA LAVELLE NO. 1, 84/85 LAVELLE ROAD, BANGALORE - 560 001, KARNATAKA, INDIA.	patents@dpahuja.com
277	CHENNAI	3779/CHENP/2012	06/04/2018 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai - 600 032	patent@depenning.com
278	CHENNAI	9838/CHENP/2013	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
279	CHENNAI	5358/CHENP/2012	06/04/2018 00:00:00	Anand And Anand ADVOCATES Flat GA AR Villa New No. 31 (Old No. 13) 3rd main Road Gandhi Nagar Adyar Chennai-60020 (India) Phone No: 91-44-43443777 120-4059300 Fax No. 120-4243056 91-44-43504232 E-Mail: anandandanand@vsnl.com/ email@anandandanand.com / chennaianandandanand@yahoo.co.in/ archana@anandandanand.com	archana@anandandanand.com
280	CHENNAI	1708/CHENP/2013	06/04/2018 00:00:00	CANTWELL & CO., 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI - 600 032.	patent@cantwellandco.com
281	CHENNAI	3644/CHE/2013	06/04/2018 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	lsmds@lakshmisri.com,IPRDEL@LAKSHMISRI.COM
282	CHENNAI	4779/CHENP/2013	06/04/2018 00:00:00	KAN AND KRISHME ADVOCATES PATENT AND TRADEMARK ATTORNEYS B-483 KNK HOUSE MEERA BAGH PASCHIM VIHAR NEW DELHI 110063 INDIA TEL:#91-11-43776666 FAX:#91-11-43776676 EMAIL:knk@kankrishme.com	knk@kankrishme.com

283	CHENNAI	2546/CHENP/2011	06/04/2018 00:00:00	KRISHNA & SAURASTRI ASSOCIATES 74/F, VENUS WORLI SEA FACE MUMBAI-400018 INDIA	info@krishnaandsaurastri.com
284	CHENNAI	4531/CHENP/2009	06/04/2018 00:00:00	M/s DePenning & DePenning, 120, Velachery Main Road, Guindy, Chennai - 600 032.	patent@depenning.com
285	CHENNAI	8719/CHENP/2014	06/04/2018 00:00:00	K&S Partners Intellectual Property Attorneys New Door No. 15 (Old No. 3) Postal Colony 4th Street, West Mambalam, Chennai 600033, Tamil Nadu, India T: + 91 (44) 49317777 F: + 91 (44) 49317788 E-mail: ipo@knspartners.com	ipo@knspartners.com,ipo@knspartners.com
286	CHENNAI	465/CHE/2012	06/04/2018 00:00:00	K & S PARTNERS Intellectual Property Attorneys 105 Mettu Street Ayanavaram Chennai-600 023 Tamil Nadu India	ipo@knspartners.com
287	CHENNAI	3411/CHE/2011	06/04/2018 00:00:00	FOX MANDAL & ASSOCIATES FM HOUSE 6/12 PRIMROSE ROAD BANGALORE - 560025	santosh.singh@foxmandal.com
288	CHENNAI	2331/CHENP/2014	06/04/2018 00:00:00	De Penning & De Penning No. 120 Velachery Main Road Guindy Chennai 600032	patent@depenning.com
289	CHENNAI	4005/CHE/2011	06/04/2018 00:00:00	M/S. DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
290	CHENNAI	8761/CHENP/2012	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
291	CHENNAI	9312/CHENP/2013	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com
292	CHENNAI	1228/CHENP/2013	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com,patent@depenning.com
293	CHENNAI	3851/CHENP/2013	06/04/2018 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	remfry-sagar@remfry.com
294	CHENNAI	2136/CHENP/2011	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI - 600 032	patent@depenning.com
295	CHENNAI	6279/CHENP/2012	06/04/2018 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI 600 032.	patent@depenning.com

WEEKLY ISSUED FER (KOLKATA)

SNO	LOCATION	APPLICATION NUMBER	FER DATE	ADDRESS FOR SERVICE	EMAIL
1	KOLKATA	4454/KOLNP/2010	02/04/2018 00:00:00	I. BANERJEE C/O L. S. DAVAR & CO., 32 RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700 010	davar@cal2.vsnl.net.in
2	KOLKATA	2043/KOLNP/2011	02/04/2018 00:00:00	P. D. GUPTA C/O L. S. DAVAR & CO., 32 RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700 010	davar@cal2.vsnl.net.in
3	KOLKATA	4980/KOLNP/2010	02/04/2018 00:00:00	DR. I. S. BHATTACHARYA C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700019, WEST BENGAL, INDIA	patents@dpahuja.com,patents@dpahuja.com
4	KOLKATA	1819/KOLNP/2013	02/04/2018 00:00:00	DR. SANCHITA GANGULI C/O S. MAJUMDAR & CO., 5 HARISH MUKHERJEE ROAD, KOLKATA-700 025, WEST BENGAL, INDIA	cal@patentindia.com
5	KOLKATA	1371/KOL/2011	02/04/2018 00:00:00	L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in
6	KOLKATA	2795/KOLNP/2011	02/04/2018 00:00:00	S.MAJUMDAR &CO.,G-48,LGF,LAJPAT NAGAR-III,NEW DELHI-110 024 INDIA.	del@patentindia.com
7	KOLKATA	1303/KOLNP/2011	02/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
8	KOLKATA	1099/KOL/2009	02/04/2018 00:00:00	S. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700 010	davar@cal2.vsnl.net.in
9	KOLKATA	441/KOLNP/2011	02/04/2018 00:00:00	S. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
10	KOLKATA	612/KOLNP/2011	02/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
11	KOLKATA	1958/KOLNP/2011	02/04/2018 00:00:00	I. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
12	KOLKATA	3417/KOLNP/2013	02/04/2018 00:00:00	RUPSA GUPTA,C/O-D.P.AHUJA CO., 14/2 PALM AVENUE, CALCUTTA 700019, WEST BENGAL,INDIA.	patents@dpahuja.com
13	KOLKATA	1179/KOLNP/2013	02/04/2018 00:00:00	DR. I. BANERJEE C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in,lsdavar@cal2.vsnl.net.in

14	KOLKATA	3304/KOLNP/2011	02/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com,patents@dpahuja.com
15	KOLKATA	432/KOLNP/2012	02/04/2018 00:00:00	N.K.GUPTA C/O NICHE,INTELLECTUAL PROPERTY OFFICES, 38A,NARSINGH AVENUE, NAGER BAZAR, KOLKATA-700074 WEST BENGAL INDIA	niloygupta@rediffmail.com
16	KOLKATA	1687/KOLNP/2013	02/04/2018 00:00:00	32 Radha Madhav Dutta Garden Lane	lsdavar@cal2.vsnl.net.in,davar@cal2.vsnl.net.in,lsdavar@cal2.vsnl.net.in,davar@cal2.vsnl.net.in
17	KOLKATA	2450/KOLNP/2013	02/04/2018 00:00:00	RUPSA GUPTA C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
18	KOLKATA	1598/KOLNP/2013	02/04/2018 00:00:00	S. CHATTERJEE C/O DATTA & ASSOCIATES COMMERCE HOUSE, FIRST FLOOR 2A, GANESH CHANDRA AVENUE KOLKATA-700013.	ipindia@vsnl.com
19	KOLKATA	1216/KOLNP/2014	02/04/2018 00:00:00	S MAJUMDER AND CO, 5 HARISH MUKHERJEE ROAD, KOLKATA	cal@patentindia.com
20	KOLKATA	3375/KOLNP/2011	02/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
21	KOLKATA	1431/KOLNP/2011	02/04/2018 00:00:00	DR. I. S. BHATTACHARYA C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
22	KOLKATA	1104/KOLNP/2009	02/04/2018 00:00:00	S. BANERJEE C/O L.S. DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	lsdavar@cal2.vsnl.net.in,davar@cal2.vsnl.net.in
23	KOLKATA	672/KOL/2010	02/04/2018 00:00:00	S. K. GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
24	KOLKATA	1224/KOL/2012	02/04/2018 00:00:00	KISHORE MANSATA 4A, WINDSAR COURT, 32 J, NEW ROAD, KOLKATA. PIN - 700027.	INDIAENERGYSAVER@GMAIL.COM
25	KOLKATA	1042/KOLNP/2013	02/04/2018 00:00:00	DR. I. BANERJEE C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in,lsdavar@cal2.vsnl.net.in
26	KOLKATA	847/KOLNP/2012	03/04/2018 00:00:00	P.D.GUPTA C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
27	KOLKATA	3755/KOLNP/2012	03/04/2018 00:00:00	DR. I. S. BHATTACHARYA C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com,patents@dpahuja.com,patents@dpahuja.com,patents@dpahuja.com,patents@dpahuja.com

28	KOLKATA	857/KOLNP/2011	03/04/2018 00:00:00	SINGH & SINGH LALL & SETHI D-17, SOUTH EXTENSION II NEW DELHI- 110049 INDIA MOBILE NO: 91- 8527101854	info@indiaip.com
29	KOLKATA	2613/KOLNP/2010	03/04/2018 00:00:00	S. K. GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com,patents@dpahuja.com,patents@dpahuja.com
30	KOLKATA	2751/KOLNP/2010	03/04/2018 00:00:00	DR. I. S. BHATTACHARY C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
31	KOLKATA	977/KOL/2012	03/04/2018 00:00:00	P.D.GUPTA C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
32	KOLKATA	928/KOLNP/2013	03/04/2018 00:00:00	RUPSA GUPTA C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
33	KOLKATA	2318/KOLNP/2012	03/04/2018 00:00:00	S. CHATTERJEE C/O DATTA & ASSOCIATES COMMERCE HOUSE, FIRST FLOOR, 2A, GANESH CHANDRA AVENUE KOLKATA-700013.	ipindia@vsnl.com,ipindia@vsnl.com
34	KOLKATA	656/KOL/2010	03/04/2018 00:00:00	BISHWARUP CHAKRABARTI C/O MKC & ASSOCIATES INTELLECTUAL PROPERTY LAW OFFICES 365 JODHPUR PARK KOLKATA-700068	mail@mkcandassociates.com
35	KOLKATA	2449/KOLNP/2012	03/04/2018 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata - 700 025 West Bengal India	cal@patentindia.com
36	KOLKATA	1264/KOLNP/2011	03/04/2018 00:00:00	MEENAKSHI MAHARAJ C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
37	KOLKATA	685/KOL/2012	03/04/2018 00:00:00	P.D. GUPTA C/O L.S. DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
38	KOLKATA	2887/KOLNP/2011	03/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
39	KOLKATA	5155/KOLNP/2011	03/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
40	KOLKATA	3227/KOLNP/2013	03/04/2018 00:00:00	SNIGDHA RANI DAS C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
41	KOLKATA	2948/KOLNP/2011	03/04/2018 00:00:00	DR. I. S. BHATTACHARYA C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com

42	KOLKATA	68/KOLNP/2013	04/04/2018 00:00:00	S. CHATTERJEE C/O DATTA & ASSOCIATES COMMERCE HOUSE, FIRST FLOOR 2A, GANESH CHANDRA AVENUE KOLKATA-700013.	ipindia@vsnl.com
43	KOLKATA	1011/KOL/2012	04/04/2018 00:00:00	DR. I. BANERJEE C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
44	KOLKATA	1139/KOLNP/2012	04/04/2018 00:00:00	P.D.GUPTA C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
45	KOLKATA	1907/KOLNP/2010	04/04/2018 00:00:00	ABHISHEK SEN C/O S. MAJUMDAR & CO., 5 HARISH MUKHERJEE ROAD, KOLKATA-700 025, WEST BENGAL, INDIA	cal@patentindia.com
46	KOLKATA	1004/KOLNP/2012	04/04/2018 00:00:00	L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
47	KOLKATA	2112/KOLNP/2011	04/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
48	KOLKATA	909/KOLNP/2012	04/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
49	KOLKATA	732/KOL/2012	04/04/2018 00:00:00	SUJIT KUMAR GUE C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
50	KOLKATA	1987/KOLNP/2011	04/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
51	KOLKATA	742/KOL/2012	04/04/2018 00:00:00	S. BANERJEE C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
52	KOLKATA	305/KOL/2008	04/04/2018 00:00:00	ANJAN SEN C/O ANJAN SEN & ASSOCIATES, 17, CHAKRABERIA ROAD (SOUTH) KOLKATA - 700 025, WEST BENGAL, INDIA	anjanonline@vsnl.net,info@ipindiaasa.com
53	KOLKATA	1484/KOL/2009	04/04/2018 00:00:00	P. D. GUPTA C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700 010	davar@cal2.vsnl.net.in
54	KOLKATA	2301/KOLNP/2012	04/04/2018 00:00:00	P.D.GUPTA C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
55	KOLKATA	3136/KOLNP/2012	04/04/2018 00:00:00	P.D.GUPTA C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in

56	KOLKATA	3030/KOLNP/2011	04/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
57	KOLKATA	1638/KOLNP/2012	04/04/2018 00:00:00	P.D.GUPTA C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
58	KOLKATA	43/KOLNP/2013	04/04/2018 00:00:00	S. CHATTERJEE C/O DATTA & ASSOCIATES COMMERCE HOUSE, FIRST FLOOR, 2A, GANESH CHANDRA AVENUE KOLKATA-700013.	ipindia@vsnl.com
59	KOLKATA	2144/KOLNP/2011	04/04/2018 00:00:00	S. BANERJEE C/O L. S. DAVAR & CO., 32 RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700 010	davar@cal2.vsnl.net.in,davar@cal2.vsnl.net.in
60	KOLKATA	401/KOLNP/2012	04/04/2018 00:00:00	L.S. DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010.	davar@cal2.vsnl.net.in
61	KOLKATA	4187/KOLNP/2011	04/04/2018 00:00:00	I. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in
62	KOLKATA	932/KOL/2013	04/04/2018 00:00:00	DEBOJYOTI BABDOPADHYAY TRADE MARK REGISTRATION BUREAU, 1, NETAJI SUBHAS ROAD, KOLKATA-700 001, INDIA	tmrbureau@gmail.com
63	KOLKATA	1920/KOLNP/2013	05/04/2018 00:00:00	32 Radha Madhav Dutta Garden Lane	davar@cal2.vsnl.net.in
64	KOLKATA	42/KOLNP/2013	05/04/2018 00:00:00	S. CHATTERJEE C/O DATTA & ASSOCIATES COMMERCE HOUSE, FIRST FLOOR 2A, GANESH CHANDRA AVENUE KOLKATA-700013.	ipindia@vsnl.com
65	KOLKATA	3114/KOLNP/2011	05/04/2018 00:00:00	MEENAKSHI MAHARAJ C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
66	KOLKATA	779/KOLNP/2015	05/04/2018 00:00:00	ANJAN SEN & ASSOCIATES. 17, CHAKRABERIA ROAD, SOUTH, KOLKATA - 700 025, WEST BENGAL, INDIA.	anjanonline@vsnl.net
67	KOLKATA	4587/KOLNP/2011	05/04/2018 00:00:00	DR. I. S. BHATTACHARYA C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
68	KOLKATA	1739/KOLNP/2011	05/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
69	KOLKATA	2635/KOLNP/2011	05/04/2018 00:00:00	I. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in

70	KOLKATA	1021/KOL/2012	05/04/2018 00:00:00	PRANEET SINGH DAVAR C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
71	KOLKATA	1425/KOL/2012	05/04/2018 00:00:00	RUPSA GUPTA C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
72	KOLKATA	3723/KOLNP/2012	05/04/2018 00:00:00	S. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
73	KOLKATA	690/KOL/2012	05/04/2018 00:00:00	SUJIT KUMAR GUE C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
74	KOLKATA	3513/KOLNP/2012	05/04/2018 00:00:00	I. BANERJEE C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
75	KOLKATA	1584/KOLNP/2012	05/04/2018 00:00:00	L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
76	KOLKATA	3622/KOLNP/2011	05/04/2018 00:00:00	P. D. GUPTA C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in
77	KOLKATA	1232/KOL/2009	05/04/2018 00:00:00	AHINDRA CHANDRA CHOWDHURY, B11/11, MANGALIK CO-OP. HOUSING, SOCIETY, KMDA BAGHAJATIN HSUG COMPLEX, KOLKATA-700094 W.B. INDIA	ahin43.chowdhury@gmail.com
78	KOLKATA	1176/KOLNP/2011	05/04/2018 00:00:00	LAKSHMIKUMRAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029 INDIA	iprdel@lakshmisri.com
79	KOLKATA	45/KOLNP/2013	05/04/2018 00:00:00	S. CHATTERJEE C/O DATTA & ASSOCIATES COMMERCE HOUSE, FIRST FLOOR 2A, GANESH CHANDRA AVENUE KOLKATA - 700013.	ipindia@vsnl.com
80	KOLKATA	1186/KOL/2009	05/04/2018 00:00:00	S.R. GUPTA C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
81	KOLKATA	4802/KOLNP/2011	05/04/2018 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata - 700 025 West Bengal India	cal@patentindia.com
82	KOLKATA	4001/KOLNP/2011	05/04/2018 00:00:00	ABHISHEK SEN C/O S. MAJUMDAR & CO., 5 HARISH MUKHERJEE ROAD, KOLKATA-700 025, WEST BENGAL, INDIA	cal@patentindia.com,cal@patentindia.com
83	KOLKATA	1490/KOLNP/2014	05/04/2018 00:00:00	Sanchita Ganguly C%- S.Majumdar & Co 5 HARISH MUKHERJEE ROAD Calcutta-700025	cal@patentindia.com,cal@patentindia.com

84	KOLKATA	860/KOL/2012	05/04/2018 00:00:00	I. BANERJEE C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
85	KOLKATA	4274/KOLNP/2011	05/04/2018 00:00:00	P. D. GUPTA C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in,davar@cal2.vsnl.net.in
86	KOLKATA	1465/KOL/2009	05/04/2018 00:00:00	I. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700 010	davar@cal2.vsnl.net.in
87	KOLKATA	3380/KOLNP/2011	05/04/2018 00:00:00	I. BANERJEE C/O H. V. WILLIAMS & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in
88	KOLKATA	341/KOL/2013	05/04/2018 00:00:00	DR. I. BANERJEE C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in,davar@cal2.vsnl.net.in
89	KOLKATA	2229/KOLNP/2015	05/04/2018 00:00:00	MEENAKSHI MAHARAJ C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
90	KOLKATA	1126/KOLNP/2011	05/04/2018 00:00:00	P. D. GUPTA C/O L. S. DAVAR & CO., 32 RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700 010	davar@cal2.vsnl.net.in
91	KOLKATA	476/KOLNP/2014	05/04/2018 00:00:00	288/1 B. B. CHATTERJEE ROAD GROUND FLOOR	info@ssdatta.com,patent@ssdatta.com
92	KOLKATA	1131/KOL/2009	06/04/2018 00:00:00	SINGH & SINGH LALL & SETHI D-17, SOUTH EXTENSION II NEW DELHI 110 049 INDIA. MOBILE NO.: 91-8527101854	info@indiaip.com
93	KOLKATA	2685/KOLNP/2013	06/04/2018 00:00:00	32 Radha Madhav Dutta Garden Lane	lsdavar@ndf.vsnl.net.in
94	KOLKATA	724/KOL/2010	06/04/2018 00:00:00	P. MAJUMDAR C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
95	KOLKATA	405/KOLNP/2011	06/04/2018 00:00:00	SUJIT KUMAR GUE C/O., D.P AHUJA CO., 53, SYED AMIR ALI AVENUE, FOURTH FLOOR, CALCUTTA 700 019 INDIA	patents@dpahuja.com
96	KOLKATA	56/KOLNP/2013	06/04/2018 00:00:00	S. BANERJEE C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
97	KOLKATA	1332/KOL/2013	06/04/2018 00:00:00	MR. AMITAVA CHAKRABORTY FLAT NO. A-2, (6TH FLOOR), BLOCK-1; 'MERLIN WARDEN LAKE VIEW' 104, BIDHAN NAGORE ROAD; ULTADANGA; KOLKATA WEST BENGAL; INDIA	amitava268111@gmail.com

98	KOLKATA	4185/KOLNP/2011	06/04/2018 00:00:00	S. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in
99	KOLKATA	1050/KOL/2015	06/04/2018 00:00:00	SNIGDHA RANI DAS C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
100	KOLKATA	1051/KOLNP/2012	06/04/2018 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata - 700 025 West Bengal India	cal@patentindia.com
101	KOLKATA	717/KOLNP/2012	06/04/2018 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata - 700 025 West Bengal India	cal@patentindia.com
102	KOLKATA	351/KOLNP/2013	06/04/2018 00:00:00	DR. INDRANI SAHA BHATTACHARYA C/O D.P. AHUJA & CO., 14/2 Palm Avenue, Calcutta 700 019, West Bengal, India.	patents@dpahuja.com
103	KOLKATA	4090/KOLNP/2012	06/04/2018 00:00:00	L. S. DAVAR & CO.,RADAH MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in
104	KOLKATA	1110/KOLNP/2012	06/04/2018 00:00:00	DR. INDRANI SAHA BHATTACHARYA C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com,patents@dpahuja.com
105	KOLKATA	2260/KOLNP/2011	06/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
106	KOLKATA	731/KOL/2015	06/04/2018 00:00:00	S. MAJUMDAR & CO., 5 Harish Mukherjee Road, Kolkata 700 025, West Bengal, India	cal@patentindia.com
107	KOLKATA	762/KOLNP/2012	06/04/2018 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Calcutta 700 025 State of West Bengal	cal@patentindia.com
108	KOLKATA	1059/KOLNP/2012	06/04/2018 00:00:00	DR. INDRANI SAHA BHATTACHARYA C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
109	KOLKATA	1064/KOLNP/2011	06/04/2018 00:00:00	MEENAKSHI MAHARAJ C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
110	KOLKATA	2032/KOLNP/2012	06/04/2018 00:00:00	P.D.GUPTA C/O L.S.DAVAR & CO. 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
111	KOLKATA	404/KOL/2010	06/04/2018 00:00:00	P. MAJUMDAR C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700 010	davar@cal2.vsnl.net.in

112	KOLKATA	716/KOLNP/2011	06/04/2018 00:00:00	SUJIT KUMAR GUE C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
113	KOLKATA	711/KOLNP/2009	06/04/2018 00:00:00	S. CHAKRABORTY C/O D.P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA.	patents@dpahuja.com
114	KOLKATA	4486/KOLNP/2011	06/04/2018 00:00:00	I. BANERJEE C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE, KOLKATA-700010	davar@cal2.vsnl.net.in
115	KOLKATA	1014/KOLNP/2011	06/04/2018 00:00:00	SINGH & SINGH LALL & SETHI D-17, SOUTH EXTENSION II NEW DELHI 110 049 INDIA Mobile No.: 8527101854	info@indiaip.com
116	KOLKATA	450/KOLNP/2011	06/04/2018 00:00:00	MEENAKSHI MAHARAJ C/O D. P. AHUJA & CO., 53 SYED AMIR ALI AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
117	KOLKATA	3278/KOLNP/2010	06/04/2018 00:00:00	P. D. GUPTA C/O L. S. DAVAR & CO., 32, RADHA MADHAB DUTTA GARDEN LANE KOLKATA-700010	davar@cal2.vsnl.net.in
118	KOLKATA	3434/KOLNP/2013	06/04/2018 00:00:00	SNIGDHA RANI DAS C/O D. P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
119	KOLKATA	1316/KOL/2013	06/04/2018 00:00:00	N.K.GUPTA, C/O-NICHE I INTELECTUAL PROPERTY OFFICES, 38A, NARSINGH AVENUE, NAGER BAZR, KOKATA-700074.	niloygupta@yahoo.co.in

APPLICATION FOR RESTORATION OF LAPSED PATENT U/S 60 :PUBLICATION U/S 61(1) RULE 84(3)(DELHI)

Controller is *prima facie* satisfied that in following matter(s),the failure to pay the renewal fees was unintentional and that there has been no undue delay in the making of the application for restoration of lapsed patent in prescribed manner. Thus notice is hereby given that any person interested in opposing the application for restoration of following lapsed patent(s) may give notice to the Controller of opposition thereto on either or both of the following grounds at any time within two months from the date of this publication.

(a) That the failure to pay the renewal fees was not unintentional; or

(b) That there has been undue delay in the making of the application.

Statement of the applicant in Form-15 and other support documents may be referred from file records. This opposition notice is to be filed in Form-14 with prescribed fees given in The FIRST SCHEDULE (See rule 7) FEES (Entry no 21).

SN	Patent No (Erstwhile Patent Application No)	Patentee /Address of Service	Title of Patent	Date of Cessation	Appropriate Office
1	276079 (943/DEL/2010)	Director General , Defence Research and Development Organization Ministry of Defence Govt. of India Room No 348 B-Wing DRDO Bhawan Rajaji Marg New Delhi 110011 / LAKSHMIKUMARAN & SRIDHARAN B6/10, Safdarjung Enclave New Delhi 110029 India Telephone No.: (91) 11 41299800 Fax No: (91) 11 26197578 Email: iprdel@lakshmisri.com	PROCESS AND SYSTEM FOR PREPARATION OF BREATHABLE FILMS FOR PRESERVING FRESH VEGETABLES AND FRUITS POST-HARVEST	16/02/2017	DELHI
2	276476 (282/DEL/2011)	DO (As above)	SYSTEM AND METHOD FOR DETECTING SULPHUR MUSTARD AT 0.0004MG/CUM	01/02/2017	DELHI
3	275820 (1689/DEL/2008)	INDIAN COUNCIL OF AGRICULTURAL RESEARCH (ICAR) KRISHI BHAVAN, DR.RAJENDRA PRASAD ROAD, NEW DELHI-110001, INDIA./ L.S. DAVAR & CO. 32, RADHA MADHAB DUTA GARDEN LANE KOLKATA-700010. Email : <lsdavar@ndf.vsnl.net.in>	A METHOD AND AN APPARATUS FOR DEVELOPING GONADAL MATURITY IN CARP	22/12/2016	DELHI
4	264599 (544/DEL/2008)	INDIAN COUNCIL OF MEDICAL RESEARCH V. RAMALINGASWAMI BHAWAN, ANSARI NAGAR, POST BOX 4911, NEW DELHI-110 029, INDIA/ :L.S. DAVAR & CO., PATENT & TRADEMARK ATTORNEYS 5/1, 1ST FLOOR, KALKAJI EXTENSION, NEW DELHI - 110019. Email: <lsdavar@ndf.vsnl.net.in>	A CYCLIC LIPOPOLYPEPTIDE OF BACILLUS SUBTILIS SSP SUBTILIS (VCRC B4721) WITH POTENTIAL TO KILL MOSQUITO STAGES	05/03/2017	DELHI

PUBLICATION U/S.60 IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that application for restoration of under mentioned Patents have been allowed and said Patent is restored.

Sl. No.	Application No.	Patent No.	Applicants	Title	Date of Publication U/R.84(3)	Appropriate Office
1.	1315/KOLNP/2008	273366	TOBII TECHNOLOGY AB	EYE TRACKER HAVING AN EXTENDED SPAN OF OPERATING DISTANCES	22/12/2017	Kolkata

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	295527	7531/DELNP/2006	02/06/2005	22/06/2004	A COLOUR DISPLAY SYSTEM	AKZO NOBEL COATINGS INTERNATIONAL B.V.	17/08/2007	DELHI
2	295531	10688/DELNP/2012	10/06/2011	11/06/2010	POLYAMIDE AND POLYAMIDE COMPOSITION •	ASAHI KASEI KABUSHIKI KAISHA	26/09/2014	DELHI
3	295532	3942/DELNP/2011	29/10/2009	31/10/2008	SEPARATING DEVULCANIZED RUBBER	RUBRECO INC.	27/04/2012	DELHI
4	295535	1440/DEL/2004	03/08/2004	18/08/2003	CONTINUOUS REACTIVE POWER SUPPORT FOR WIND TURBINE GENERATORS	SABIC INNOVATIVE PLASTICS IP B.V.	30/06/2006	DELHI
5	295536	1800/DELNP/2009	31/10/2008	31/10/2008	OPTICAL FIBER MANUFACTURING DEVICE AND OPTICAL FIBER MANUFACTURING METHOD	FUJIKURA LTD.	27/04/2012	DELHI
6	295542	28/DEL/2009	09/01/2009 10:57:09		DETECTION OF LATENT FINGERPRINTS ON MOIST, NON-POROUS SURFACES.	G.S. SODHI,JASJEET KAUR	31/08/2016	DELHI
7	295545	618/DEL/2007	21/03/2007 15:07:15	29/03/2006	SURGICAL CASSETTE WITH COMPLIANT CLAMPING ZONE	NOVARTIS AG	05/10/2007	DELHI
8	295547	10320/DELNP/2008	14/06/2007	14/06/2006	DISPENSER FOR DISPENSING TREATMENT PRODUCT ON HAND •	ORBEL HEALTH LIMITED	31/07/2009	DELHI
9	295548	4610/DELNP/2009	16/01/2008	25/01/2007	SURGICAL SUTURE INSTRUMENT FOR THE MUSCULAR-SKELETAL SYSTEM AND THE SURGICAL TECHNIQUE USED BY SAME	PEDRO GUILLEN GARCIA	19/03/2010	DELHI
10	295549	8670/DELNP/2012	08/03/2011	18/03/2010	HIGH LIGHT OLEFINS FCC CATALYST COMPOSITIONS	W.R. GRACE & CO.-CONN	22/01/2016	DELHI

11	295552	2270/DELNP/2004	19/12/2002	10/01/2002	A WAVE-POWER UNIT AND THE USE OF A WAVE-POWER UNIT FOR PRODUCTION OF ELECTRIC POWER, A METHOD OF GENERATING ELECTRIC POWER AND A SYSTEM OF COMPONENTS FOR MANUFACTURING A LINEAR GENERATOR FOR A WAVE-POWER UNIT	SWEDISH SEABASED ENERGY AB	02/10/2009	DELHI
12	295554	5547/DELNP/2008	27/11/2006	28/11/2005	A SCISSOR JACK	QUADDRO TECHNOLOGIES (PTY)LTD.	26/09/2008	DELHI
13	295557	694/DELNP/2010	24/10/2008	06/11/2007	SPARK-IGNITED INTERNAL COMBUSTION ENGINE	TOYOTA JIDOSHA KABUSHIKI KAISHA	23/08/2013	DELHI
14	295558	10414/DELNP/2013	24/05/2012	03/06/2011	CLEAR HAIR CARE COMPOSITION COMPRISING BASE OIL AND SILICONE	THE PROCTER & GAMBLE COMPANY	30/01/2015	DELHI
15	295559	4738/DELNP/2011	04/12/2009	04/12/2008	METHODS AND APPARATUS FOR MOVING ALIQUOT SAMPLES OF FLUID	B¼chi Labortechnik AG	13/07/2012	DELHI
16	295562	1023/DEL/2001	04/10/2001		STRUCTURE PACKING SYSTEM FOR REDUCED DISTILLATION COLUMN HEIGHT	PRAXAIR TECHNOLOGY,INC	31/08/2007	DELHI
17	295567	201617023817	10/06/2015	10/06/2015	RESOURCE MANAGEMENT IN A RADIO COMMUNICATION NETWORK	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	24/02/2017	DELHI
18	295569	3092/DELNP/2012	09/09/2010	10/09/2009	VACUUM CAPACITOR	KHOLOSHENKO, Roman Stanislavovich,KOVALENKO, Gennady Viktorovich,NIKOLAEVA, Ljudmila Alexandrovna,KORSUN, lIya Vladimirovich	07/02/2014	DELHI
19	295570	433/DEL/2015	16/02/2015 16:03:37		OPTICAL IMPLANTABLE MEMBER	ROOP Prakhyat	20/02/2015	DELHI
20	295571	119/DEL/2009	22/01/2009 14:57:15		EXTREME LOW TEMPERATURE RECUPERATOR/RECOIL BRAKE FLUID	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION	11/12/2015	DELHI
21	295574	2609/DEL/2008	19/11/2008 14:26:34	20/12/2007	SYNERGISTIC MICROBICIDAL COMPOSITIONS	ROHM AND HAAS COMPANY	07/05/2010	DELHI

22	295575	2136/DEL/2009	14/10/2009 14:55:39		A PROCESS FOR THE REMOVAL OF 1,1,2,2-TETRAFLUOROETHANE FROM 1,1,1,2-TETRAFLUOROETHANE	SRF LIMITED	11/06/2010	DELHI
23	295580	4471/DELNP/2011	13/11/2009	14/11/2008	ENANTIOMERICALLY ENRICHED ARYLOAZOL-2-YL CYANOETHYLAMINO PARACITICIDAL COMPOUNDS	MERIAL, INC.	20/04/2012	DELHI
24	295583	5073/DELNP/2008	22/12/2005	22/12/2005	TOKEN BASED RADIO RESOURCE MANAGEMENT	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	26/09/2008	DELHI
25	295584	6420/DELNP/2008	26/12/2006	30/12/2005	ROTARY BATCH DISTRIBUTOR	ZAKRYTOE AKTSIONERNOE OBSCHESTVO NAUCHNO-PROIZVODSTVENNY I KOMMERCHESKY TSENTR TOTEM	24/10/2008	DELHI
26	295585	5857/DELNP/2012	13/01/2011	18/02/2010	MIXTURES OF FIBRE REACTIVE DYES AND THEIR USE IN A METHOD FOR DI OR TRICHROMATIC DYEING OR PRINTING	HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GMBH	06/12/2013	DELHI
27	295586	5511/DELNP/2010	19/11/2008	03/01/2008	CONTROL UNIT AND METHOD FOR CONTROLLING PERSONAL PROTECTIVE SYSTEMS AND SENSOR FOR OUTPUT OF ACCIDENT RELATED SIGNAL	ROBERT BOSCH GMBH	18/11/2011	DELHI
28	295587	8449/DELNP/2008	17/03/2007	31/03/2006	MEDICAL LIQUID INJECTION DEVICE	DEBIOTECH S.A.	08/05/2009	DELHI
29	295588	9037/DELNP/2007	28/06/2006	30/06/2005	NEW SUBSTITUTED GLYCINAMIDES HAVING AN ANTITHROMBOTIC AND FACTOR XA-INHIBITING EFFECT	BOEHRINGER INGELHEIM INGERNATIONAL GMBH	04/01/2008	DELHI
30	295594	3445/DEL/2012	07/11/2012 12:39:13		A PROCESS FOR PREPARATION OF POLYMERIC N-ACRYLAMIDO TRIAZOLE COMPOUNDS AND THE USE THEREOF AS ANTI TARNISHING AGENTS AND CORROSION INHIBITORS OF COPPER AND COPPER ALLOYS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	15/08/2014	DELHI

31	295595	4160/DELNP/2011	09/12/2009	18/12/2008	DRAG REDUCING POLYMERS FOR LOW MOLECULAR WEIGHT LIQUIDS APPLICATIONS	LUBRIZOL SPECIALTY PRODUCTS, INC.,	20/04/2012	DELHI
32	295597	619/DEL/2009	27/03/2009 12:59:50		A METHOD FOR IMMOBILIZING LIPASE ONTO MICROPOROUS ULTRAFILTRATION POLYMER MEMBRANE	COUNCIL OF SCIENTIFIC INDUSTRIAL RESEARCH	14/01/2011	DELHI
33	295599	3715/DELNP/2010	17/12/2008	20/12/2007	RECEIVER ADJUSTMENT BETWEEN PILOT BURSTS	QUALCOMM INCORPORATED	03/02/2012	DELHI
34	295606	5524/DELNP/2009	15/02/2008	15/02/2007	STIFFENED PLATE AND METHOD OF MANUFACTURING THE SAME	IHI CORPORATION	30/04/2010	DELHI
35	295608	2322/DEL/2009	10/11/2009 17:34:10		MULTI-FUNCTIONAL DISPLAY UNIT	MINDA INDUSTRIES LIMITED	13/05/2011	DELHI
36	295611	3131/DEL/2010	28/12/2010 14:59:10	06/08/2010	HEMOSTATIC DEVICE	TERUMO KABUSHIKI KAISHA	11/10/2013	DELHI
37	295612	579/DEL/2010	12/03/2010 11:34:52		PREPARATION OF INORGANIC HYDROGELS WITH ALKALI HALIDES	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	16/09/2011	DELHI
38	295613	8817/DELNP/2010	18/06/2009	27/06/2008	CELLULOSE FIBER AND METHOD FOR THE PRODUCTION THEREOF •	LENZING AKTIENGESELLSCHAFT	27/04/2012	DELHI
39	295615	720/DEL/2009	08/04/2009 10:33:38	21/01/2009	VENTURI COOLING SYSTEM •	Gas Turbine Efficiency Sweden AB	20/08/2010	DELHI
40	295616	1945/DEL/2004	07/10/2004		NOVEL CANCER ASSOCIATED ANTIBODIES AND THEIR USE IN CANCER THERAPY	NATIONAL INSTITUTE OF IMMUNOLOGY	15/08/2014	DELHI
41	295622	17/DEL/2009	06/01/2009 16:09:49		A DENTAL FORCIVATOR	SHAILENDRA SINGH	31/08/2016	DELHI
42	295624	8163/DELNP/2009	21/05/2008	22/05/2007	METHOD AND DEVICE FOR EVAPORATING A FLUID	EMITEC GESELLSCHAFT FUR EMISSIONSTECHNOLOGIE MBH	16/07/2010	DELHI
43	295629	1316/DEL/2007	19/06/2007 16:44:26	30/06/2006	SURGICAL LASER SYSTEM WITH REMOTE CONTROL FUNCTIONALITY	NOVARTIS AG	04/01/2008	DELHI
44	295630	5648/DELNP/2009	22/01/2008	28/03/2007	CIRCUIT ARRANGEMENT FOR IDENTIFYING NETWORK ZERO CROSSINGS	SIEMENS AKTIENGESELLSCHAFT	07/05/2010	DELHI

45	295631	5609/DELNP/2012	19/12/2005	14/01/2005	A CATALYST COMPRISING AN INORGANIC, POROUS, NON-LAYERED, CRYSTALLINE, MESOPOROUS MCM-41	EXXONMOBIL CHEMICAL PATENTS INC.	04/12/2015	DELHI
46	295640	1455/DEL/2008	18/06/2008		A METHOD FOR CREATION OF 2 AND 3-DIMENSIONAL MICRO CHANNELS OF VARIED DIMENSIONS USING REPLICATION AND MOLDING AROUND A WIRE	INDIAN INSTITUTE OF TECHNOLOGY KANPUR	31/08/2016	DELHI
47	295643	6065/DELNP/2006	07/04/2005	30/04/2004	METHOD USER STATION AND NETWORK DEVICE FOR RADIO COMMUNICATION, IN PARTICULAR IN CONNECTION WITH HSDPA SERVICE	NOKIA SOLUTIONS AND NETWORKS GMBH & CO. KG.	27/04/2007	DELHI
48	295645	2624/DEL/2008	20/11/2008 15:38:55	14/02/2008	A LOCOMOTIVE AIR/VACUUM CONTROL SYSTEM	New York Air Brake LLC	07/05/2010	DELHI
49	295650	6645/DELNP/2013	24/01/2012	25/01/2011	ARYLALKYL ESTERS OF 4 AMINO 6 (SUBSTITUTED PHENYL)PICOLINATES AND 6 AMINO 2 (SUBSTITUTED PHENYL) 4 PYRIMIDINECARBOXYLATES AND THEIR USE AS HERBICIDES	DOW AGROSCIENCES LLC	23/01/2015	DELHI
50	295652	6197/DELNP/2013	23/03/2012	23/03/2011	ORAL COMPLEX COMPOSITION COMPRISING OMEGA 3 FATTY ACID ESTER AND HMG COA REDUCTASE INHIBITOR	HANMI PHARM. CO. LTD.	12/12/2014	DELHI
51	295653	3841/DELNP/2012	15/11/2010	16/12/2009	DISPERSE AZO DYES A PROCESS FOR THE PREPARATION THEREOF AND THE USE THEREOF •	HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GMBH	30/05/2014	DELHI
52	295655	6502/DELNP/2012	17/02/2011	17/02/2010	ISOXAZOLINE DERIVATIVES AS INSECTICIDES	SYNGENTA PARTICIPATIONS AG	10/01/2014	DELHI
53	295657	4132/DELNP/2009	16/12/2007	27/12/2006	ADAPTING TRANSMISSION AND RECEPTION ON TIME IN PACKET BASED CELLULAR SYSTEMS	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	01/01/2010	DELHI

54	295663	5914/DELNP/2009	11/03/2008	16/03/2007	METHOD AND DEVICE FOR DETERMINING SINGLE FREQUENCY NETWORK AREA	CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY	11/06/2010	DELHI
55	295667	7354/DELNP/2007	29/03/2006	31/03/2005	METHOD OF MANAGING RADIO RESOURCES AND NODE B APPARATUS IMPLEMENTING THE SAME	SAMSUNG ELECTRONICS CO., LTD	14/12/2007	DELHI
56	295670	120/DEL/2009	22/01/2009 15:01:38		AN IMPROVED PROCESS FOR THE PURIFICATION OF LORTADINE	MOREPEN LABORATORIES LIMITED	30/07/2010	DELHI
57	295675	7284/DELNP/2010	28/04/2009	28/04/2009	METHOD AND DEVICE FOR PROCESSING OF GRANULES	YARA INTERNATIONAL ASA	17/02/2012	DELHI
58	295677	65/DELNP/2008	16/09/2007	02/11/2006	SYSTEM AND METHOD FOR COUNTING PEOPLE	Qube Cinema Technologies Private Limited.	06/06/2008	DELHI
59	295679	2351/DELNP/2009	30/05/2008	02/07/2007	A mobile terminal device having an ultrathin structure.	Huawei Technologies Co. Ltd.	19/06/2009	DELHI
60	295680	2279/DEL/2007	30/10/2007 17:42:22		A SINE WAVE LINE INTERACTING UPS WITH BIDIRECTIONAL CONVERTER	SU-KAM POWER SYSTEMS LTD.,	23/05/2008	DELHI
61	295681	1441/DELNP/2006	16/09/2004	16/09/2003	A METHOD FOR CREATING A PEER-TO-PEER IMMEDIATE MESSAGING SOLUTION WITHOUT USING AN INSTANT MESSAGING SERVER	RESEARCH IN MOTION LIMITED	03/08/2007	DELHI
62	295682	8345/DELNP/2011	30/03/2010	31/03/2009	A HOT SOLIDS PROCESS SELECTIVELY OPERABLE BASED ON ITS PRIMARY PURPOSE	GENERAL ELECTRIC TECHNOLOGY GmbH	27/09/2013	DELHI
63	295683	2033/DEL/2006	15/09/2006 12:00:14	19/12/2005	METHOD AND APPARATUS TO AUTHENTICATE A POWER SUPPLY	POWER INTEGRATIONS INC.	03/08/2007	DELHI
64	295684	4651/DELNP/2008	29/11/2006	30/11/2005	THREADED CONNECTIONS WITH HIGH AND LOW FRICTION COATINGS	TENARIS CONNECTIONS B.V.	15/08/2008	DELHI
65	295689	1843/DEL/2010	05/08/2010 14:20:35		NOVEL COUMARIN-CHALCONE HYBRIDS AS ANTICANCER AGENTS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	25/10/2013	DELHI

66	295694	2106/DELNP/2007	29/09/2005	08/10/2004	MOBILE COMMUNICATIONS TERMINAL HAVING AN IMPROVED USER INTERFACE AND METHOD THEREFOR	NOKIA TECHNOLOGIES OY	31/08/2007	DELHI
67	295695	2093/DELNP/2009	19/09/2007	19/09/2006	FRAME STURCTURE FOR MULTI-HOP RELAY IN WIRELESS COMMUNICATION SYSTEMS	ZTE (USA) INC.	29/05/2009	DELHI
68	295696	1477/DELNP/2007	17/08/2005	25/08/2004	A METHOD FOR CONTROLLING TRANSMISSION OVER A RADIO CHANNEL, A SENDING UNITE AND A RECEIVING UNIT THEREOF	ALCATEL LUCENT	03/08/2007	DELHI
69	295697	1572/DELNP/2007	11/08/2005	24/08/2004	A Method for Calibrating Relative Sensor Positions of Sensors in a Shooter Detector System	Reytheon BBN Technologies Corp.	03/08/2007	DELHI
70	295699	1557/DELNP/2009	01/10/2007	29/09/2006	METHOD AND APPARATUS FOR PREPARING CONNECTION TRANSFER BETWEEN AN IP BASED COMMUNICATION SYSTEM (LTE/SAE) AND A PDP CONTEXT BASED COMMUNICATION SYSTEM (UMTS/GPRS)	QUALCOMM INCORPORATED	29/05/2009	DELHI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	295556	365/MUMNP/2013	19/09/2010	19/08/2010	VERTICAL PYROLYSIS EQUIPMENT FOR COAL MATERIAL	XIXIA DRAGON INTO SPECIAL MATERIAL CO. LTD	09/05/2014	MUMBAI
2	295576	1103/MUMNP/2011	26/11/2009	26/11/2008	PA METHOD FOR PRODUCING AN ACTIVE INGREDIENT-CONTAINING POLYURETHANE PATCH	OTTO BOCK KUNSTSTOFF HOLDING GMBH	21/10/2011	MUMBAI
3	295596	218/MUMNP/2012	02/07/2010	02/07/2009	A SEALABLE MATERIAL AND METHOD OF FORMING A DIELECTRIC WELD	SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION	19/10/2012	MUMBAI
4	295598	2094/MUMNP/2013	29/03/2012	04/05/2011	PROCESS AND PLANT FOR THE PRODUCTION AND FURTHER TREATMENT OF FUEL GAS	OUTOTEC OYJ	10/10/2014	MUMBAI
5	295604	1728/MUM/2010	07/06/2010 13:23:38		STABLE LIQUID PHARMACEUTICAL COMPOSITIONS OF RANITIDINE	CADILA PHARMACEUTICALS LTD	20/07/2012	MUMBAI
6	295614	2406/MUMNP/2011	07/09/2010	25/09/2009	CONDUCTIVE FLOORING MATERIAL AND A PRODUCTION METHOD THEREFOR	LG HAUSYS, LTD.	03/02/2012	MUMBAI
7	295625	1624/MUMNP/2012	16/12/2010	29/12/2009	LOW TFM EXTRUDED SOAP BARS HAVING REDUCED CRACKING	HINDUSTAN UNILEVER LIMITED	11/10/2013	MUMBAI
8	295637	104/MUMNP/2011	17/07/2009	22/07/2008	METHOD OF MANUFACTURING BLADE RUBBER AND WIPER BLADE	MITSUBA CORPORATION	27/05/2011	MUMBAI
9	295641	1465/MUM/2007	01/08/2007 15:39:36	02/08/2006	METHOD AND DEVICE FOR CONVEYING ARTICLES ON A MACHINE FOR FILLING CAPSULES WITH AT LEAST ONE PHARMACEUTICAL PRODUCT	MG 2-S.R.L	15/05/2009	MUMBAI

10	295660	2381/MUM/2013	16/07/2013 16:04:22		A PROCESS FOR REMOVAL OF IRON OXIDE SCALES FROM STAINLESS STEELS USING THE DESCALING SALT BATH AT ELEVATED TEMPERATURE	ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA	16/08/2013	MUMBAI
11	295666	3265/MUM/2012	09/11/2012 16:26:10		A NOVEL RUBBER COMPOSITION	PATHAK RITESH HARENDRA,PATHAK KAMINI RITESH	15/02/2013	MUMBAI
12	295693	259/MUMNP/2013	25/07/2011	31/08/2010	METHOD AND APPARATUS FOR CALIBRATING A THERMOMETER IN SITU	ENDRESS+HAUSER WETZER GMBH+CO. KG	18/04/2014	MUMBAI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	295525	201644020920	18/06/2016 14:42:06	18/06/2015	A SYSTEM AND METHOD FOR ESTABLISHING COMMUNICATION BETWEEN PLURALITY OF INTERNET OF THINGS DEVICES	GLOBUS EIGHT INC.	24/06/2016	CHENNAI
2	295530	1716/CHE/2009	20/07/2009 15:01:12	21/07/2008	POLYPROPYLENE AIR BUBBLE STRUCTURAL PANEL AND PROCESS FOR PREPARING THE SAME	COLINES S.P.A.	02/07/2010	CHENNAI
3	295533	4949/CHENP/2012	10/12/2010	11/12/2009	SYSTEM AND METHOD FOR BIASING ACTIVE DEVICES	QUALCOMM INCORPORATED	28/02/2014	CHENNAI
4	295537	2051/CHE/2006	07/11/2006	07/11/2005	LOW-CALORIE WHOLE-GRAIN CEREAL BAR	INTERCONTINENTAL GREAT BRANDS LLC	07/12/2007	CHENNAI
5	295538	734/CHENP/2009	09/07/2007	14/07/2006	SHAVER HAVING A SPACE FOR COLLECTING CUT-OFF HAIRS	KONINKLIJKE PHILIPS ELECTRONICS N.V.	21/08/2009	CHENNAI
6	295543	2856/CHENP/2011	15/10/2009	31/10/2008	EXTRUDED POLYMER FOAMS CONTAINING ESTERS OF A SUGAR AND A BROMINATED FATTY ACID AS A FLAME RETARDANT ADDITIVE	DOW GLOBAL TECHNOLOGIES LLC	31/08/2012	CHENNAI
7	295544	1024/CHENP/2011	17/07/2008	17/07/2008	PLATE-LIKE BODY	FUKAI SEISAKUSHO CO., LTD.	02/12/2011	CHENNAI
8	295551	5395/CHENP/2009	06/03/2008	15/03/2007	PROTEASE CRYSTALS IN BROTH	NOVOZYMES A/S	11/12/2009	CHENNAI
9	295553	1222/CHENP/2011	24/08/2009	26/08/2008	GRANULAR WETTABLE POWDER	NIPPON SODA CO., LTD.	02/12/2011	CHENNAI
10	295561	6741/CHENP/2011	30/03/2010	31/03/2009	METHOD FOR SELECTION OF CLONES FOR HIGHER EXPRESSION OF RECOMBINANT PROTEINS •	CELLTRION INC.	19/04/2013	CHENNAI
11	295563	7632/CHENP/2010	28/05/2009	29/05/2008	ARTICLE HAVING ANTIFOULING PROPERTIES FOR AQUATIC AND PARTICULARLY SEA USE	BLUESTAR SILICONES FRANCE	02/12/2011	CHENNAI

12	295565	896/CHE/2005	07/07/2005	12/07/2004	COOLING SYSTEM FOR AN INTERNAL COMBUSTION ENGINE WITH EXHAUST GAS RECIRCULATION (EGR)	International Engine Intellectual Property Company LLC	07/09/2007	CHENNAI
13	295568	1969/CHENP/2009	11/09/2007	18/09/2006	AN APPARATUS, A SYSTEM AND A METHOD FOR ENABLING ELECTROMAGNETIC ENERGY TRANSFER	KONINKLIJKE PHILIPS ELECTRONICS N.V.	24/02/2017	CHENNAI
14	295572	1145/CHENP/2010	31/07/2008	31/07/2007	AMINO-ACID-CONTAINING MEDICINAL GRANULAR PREPARATION HIGHLY EASY TO TAKE	AJINOMOTO CO., INC.	13/08/2010	CHENNAI
15	295573	1310/CHENP/2010	05/09/2008	07/09/2007	WARM MIX ASPHALT BINDER COMPOSITIONS CONTAINING LUBRICATING ADDITIVES	ALM HOLDING CO.	21/10/2011	CHENNAI
16	295577	2468/CHENP/2011	09/10/2009	14/10/2008	METHOD FOR MANUFACTURING BRIQUETTED SOLID FUEL USING POROUS COAL AS STARTING MATERIAL	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	10/08/2012	CHENNAI
17	295578	5384/CHENP/2010	27/02/2009	29/02/2008	METHODS, SYSTEMS, AND COMPOSITIONS FOR THE CONTROLLED CROSSLINKING OF WELL SERVICING FLUIDS	TUCC TECHNOLOGY, LLC	02/12/2011	CHENNAI
18	295589	6765/CHENP/2008	19/06/2007	29/06/2006	AUTONOMOUS LIMITED NETWORK REALIZATION AND COMMISSIONING	KONINKLIJKE PHILIPS ELECTRONICS N.V.	27/03/2009	CHENNAI
19	295590	2563/CHENP/2011	21/09/2009	22/09/2008	DEVICE FOR BURNING A FUEL/OXIDANT MIXTURE	SGL CARBON SE	17/08/2012	CHENNAI
20	295592	5483/CHENP/2013	30/11/2011	21/02/2011	OPTICAL ENCODER	MITSUBISHI ELECTRIC CORPORATION	17/06/2016	CHENNAI
21	295593	5630/CHENP/2012	25/11/2010	01/12/2009	STEREOSCOPIC IMAGING DEVICE	INABA, Minoru	14/02/2014	CHENNAI
22	295600	285/CHENP/2011	18/06/2009	19/06/2008	LUBRICATING GREASE COMPOSITIONS	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	11/11/2011	CHENNAI
23	295601	8583/CHENP/2010	01/07/2009	02/07/2008	PROKARYOTIC XYLOSE ISOMERASE FOR THE CONSTRUCTION OF XYLOSE FERMENTING YEASTS	LESAFFRE ET COMPAGNIE	16/09/2011	CHENNAI

24	295605	4198/CHENP/2010	03/12/2008	11/12/2007	SIDE EMITTING DEVICE WITH HYBRID TOP REFLECTOR	KONINKLIJKE PHILIPS N.V.	19/11/2010	CHENNAI
25	295607	4683/CHENP/2010	22/01/2009	01/02/2008	LAMINATED FILM AND MOLDING AND REFLECTOR	TORAY INDUSTRIES INC	04/02/2011	CHENNAI
26	295610	5291/CHENP/2010	27/01/2009	30/01/2008	CONDUCTIVE INKS	BASF SE	18/03/2011	CHENNAI
27	295618	7324/CHENP/2013	09/03/2012	09/03/2011	TONER,IMAGE FORMING APPARATUS, AND PROCESS CARTRIDGE	Ricoh Company, Ltd.	12/09/2014	CHENNAI
28	295620	201741008659	13/03/2017		AN IMPROVED PROCESS FOR THE PREPARATION OF DACLATASVIR DIHYDROCHLORIDE AND ITS INTERMEDIATES	OPTIMUS DRUGS (P) LTD	04/08/2017	CHENNAI
29	295623	4835/CHENP/2010	02/02/2009	04/02/2008	METHOD AND APPARATUS FOR RADIO LINK FAILURE RECOVERY IN A WIRELESS COMMUNICATIONS NETWORK	ALCATEL LUCENT	18/02/2011	CHENNAI
30	295628	6309/CHENP/2010	03/12/2009	10/12/2008	INFORMATION RECORDING MEDIUM, REPRODUCING DEVICE AND REPRODUCING METHOD •	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	03/06/2011	CHENNAI
31	295632	381/CHE/2010	15/02/2010 15:28:34	17/02/2009	ENGINE FOR MOTORCYCLE	HONDA MOTOR CO., LTD	27/08/2010	CHENNAI
32	295636	640/CHE/2010	11/03/2010 15:07:01	30/03/2009	BRAKE DEVICE FOR A MOTORCYCLE	HONDA MOTOR CO., LTD	15/10/2010	CHENNAI
33	295639	4528/CHENP/2011	27/11/2009	28/11/2008	AVIAN INFLUENZA VACINE	JAPAN AS REPRESENTED BY THE DIRECTOR-GENERAL NATIONAL INSTITUTE OF INFECTIOUS DISEASES ,NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY,SAITAMA MEDICAL UNIVERSITY,NOF CORPORATION	14/09/2012	CHENNAI
34	295642	8388/CHENP/2011	21/07/2010	24/07/2009	FENTANYL-CONTAINING ADHESIVE PREPARATION FOR EXTERNAL USE	TEIKOKU SEIYAKU CO., LTD	15/03/2013	CHENNAI
35	295646	2471/CHENP/2009	31/07/2007	24/10/2006	METHOD FOR REDUCING INFORMATION LOAD OF PACKET SERVICE CONTROL CHANNLE	ZTE Corporation	06/07/2012	CHENNAI

36	295647	4745/CHENP/2010	06/01/2009	08/01/2008	CO-CURE PROCESS FOR AUTODEPOSITION COATING	HENKEL AG & CO. KGaA	11/02/2011	CHENNAI
37	295649	6972/CHENP/2012	12/01/2011	14/01/2010	WATER RESISTANT COSMETIC FORMULATIONS COMPRISING A HYDROPHOBICALLY MODIFIED VINYLPYRROLIDONE COPOLYMER	BASF SE	27/12/2013	CHENNAI
38	295656	413/CHENP/2010	29/06/2007	29/06/2007	INSECTICIDAL BARRIER WITH A DURABLE LOWER PART	Vestergaard SA	23/07/2010	CHENNAI
39	295658	5262/CHENP/2010	17/03/2009	28/03/2008	DE-INTERLEAVING MECHANISM INVOLVING A MULTI-BANKED LLR BUFFER	QUALCOMM INCORPORATED	18/03/2011	CHENNAI
40	295659	1479/CHENP/2011	29/07/2009	08/08/2008	IZM-2 ZEOLITE-BASED CATALYST	IFP ENERGIES NOUVELLES	02/12/2011	CHENNAI
41	295662	663/CHE/2009	25/03/2009		OIL PUMP SPROCKET FLOAT CONTROL MECHANISM	TVS MOTOR COMPANY LIMITED	24/02/2012	CHENNAI
42	295664	4963/CHENP/2013	27/12/2011	29/12/2010	A method for preparing neopentyl glycol	LG CHEM LTD.	18/07/2014	CHENNAI
43	295665	1635/CHE/2009	09/07/2009		A STEERING SYSTEM	DAYANANDA SAGAR COLLEGE OF ENGINEERING	04/05/2012	CHENNAI
44	295668	7506/CHENP/2010	24/10/2008	26/06/2008	METHODS AND APPARATUS FOR PROVIDING QUALITY OF SERVICE IN A PEER TO PEER NETWORK	QUALCOMM INCORPORATED	12/08/2011	CHENNAI
45	295669	1575/CHE/2008	27/06/2008		RETROFIT AUXILIARY AXLE LIFTING MECHANISM	ASHOK LEYLAND LIMITED	02/07/2010	CHENNAI
46	295673	5901/CHENP/2009	04/02/2008	07/03/2007	ASSEMBLY SHOP FOR MOTOR VEHICLE MANUFACTURING PLANT AND A METHOD FOR EXPANDING THE ASSEMBLY SHOPS THEREOF	PEUGEOT CITROEN AUTOMOBILES SA	05/02/2010	CHENNAI
47	295674	1887/CHENP/2011	16/09/2009	19/09/2008	METHOD TO ENFORCE BY A MANAGEMENT CENTER THE ACCESS RULES FOR A BROADCAST PRODUCT	NAGRAVISION S.A.	02/12/2011	CHENNAI
48	295676	2567/CHE/2012	28/06/2012 12:56:22		SHAMPOO COMPOSITION	CAVINKARE PVT. LTD.	08/04/2016	CHENNAI
49	295678	2933/CHE/2010	04/10/2010 15:33:07	28/10/2009	ENGINE STARTER AND RESISTOR SHORT-CIRCUITING DEVICE	MITSUBISHI ELECTRIC CORPORATION	15/07/2011	CHENNAI

50	295685	3694/CHENP/2012	20/08/2010	29/09/2009	SURFACE-MODIFIED SILICIC ACID SEMI-GELS	EVONIK DEGUSSA GMBH	14/02/2014	CHENNAI
51	295686	2926/CHE/2012	19/07/2012		AN IMPROVED PROCESS FOR THE PREPARATION OF 2,3-DIHYDROXY BENZONITRILE	Laurus Labs Limited	08/04/2016	CHENNAI
52	295687	6769/CHENP/2009	08/05/2008	13/06/2007	METHOD AND SYSTEM FOR SENDING INSTANT MESSAGE	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED	31/08/2016	CHENNAI
53	295690	7383/CHENP/2011	12/04/2010	13/04/2009	A PROCESSING AID FOR NON-FOAM MOLDING, A RESIN COMPOSITION AND A SHAPED ARTICLE	Mitsubishi Chemical Corporation	14/12/2012	CHENNAI
54	295698	8095/CHENP/2010	26/08/2009	26/08/2008	SYSTEM AND METHOD FOR SR-VCC OF IMS EMERGENCY SESSIONS	Huawei Technologies Co., Ltd.	09/09/2011	CHENNAI
55	295700	2161/CHE/2006	21/11/2006		PROBES AND A KIT THEREOF	JAWAHRLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH,MICROTEST INNOVATIONS PVT LTD	28/11/2008	CHENNAI
56	295704	2378/CHENP/2010	28/09/2008	28/09/2007	A RECOMBINANT KETOREDUCTASE POLYPEPTIDES AND USES THEREOF	CODEXIS, INC.	15/10/2010	CHENNAI
57	295705	4456/CHENP/2008	26/01/2007	27/01/2006	TEXTILE IMPREGNATED WITH CRYSTALLINE INSECTICIDE	MVF 3 ApS	13/03/2009	CHENNAI
58	295706	3030/CHE/2010	13/10/2010 14:42:44		IMPROVED PROCESS FOR THE PREPARATION OF BOSENTAN	MATRIX LABORATORIES LTD	01/11/2013	CHENNAI

Publication Under Section 43(2) in Respect of the Grant

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	295526	5283/KOLNP/2008	07/06/2007	30/06/2006	A contact lens	JOHNSON & JOHNSON VISION CARE, INC.	27/03/2009	KOLKATA
2	295528	414/KOL/2008	03/03/2008		FIXTURE FOR MANUFACTURE OF CONNECTING PLATE ASSEMBLY OF AIR PREHEATERS COMPONENTS	BHARAT HEAVY ELECTRICALS LIMITED	10/03/2017	KOLKATA
3	295529	490/KOL/2010	30/04/2010	19/03/2010	ACCESSING TEXTSITES USING TEXT MESSAGING SERVICE	INTUIT INC.	09/11/2012	KOLKATA
4	295534	2856/KOLNP/2006	03/03/2005	03/03/2004	A COMPOSITION COMPRISING BOTULINUM TOXINS AND KIT FOR ADMINISTERING THE SAME THEREOF	REVANCE THERAPEUTICS INC.	08/06/2007	KOLKATA
5	295541	3760/KOLNP/2007	07/04/2006	08/04/2005	IDENTIFICATION OF A NEW CLASS OF EPSP SYNTHASES	ATHENIX CORPORATION	23/05/2008	KOLKATA
6	295546	2249/KOLNP/2008	30/11/2006	13/12/2005	VARIABLE VALVE SYSTEM, AND ENGINE SYSTEM AND VEHICLE INCLUDING THE SAME	YAMAHA HATSUDOKI KABUSHIKI KAISHA	16/01/2009	KOLKATA
7	295550	3137/KOLNP/2008	24/02/2006	24/02/2006	CENTRIFUGAL AIR CLASSIFIER	1-TAIHEIYO CEMENT CORPORATION 2-ITO MITSUHIRO	13/02/2009	KOLKATA
8	295555	1400/KOL/2010	13/12/2010 15:18:42		A CHEMILUMINESCENCE IMMUNOASSAY KIT FOR THE DETECTION OF DENGUE NS1 ANTIGEN IN HUMAN SERUM OR PLASMA	MAHAJAN, LALIT	09/12/2011	KOLKATA
9	295560	859/KOLNP/2012	13/09/2010	15/09/2009	A COMPOSITION COMPRISING MICROCRYSTALLINE PROTEIN A AND METHOD OF PREPARATION THEREOF	AJINOMOTO ALTHEA, INC.	25/01/2013	KOLKATA
10	295564	3672/KOLNP/2008	06/03/2007	06/03/2006	SUBSTRATE PROVIDED WITH A MULTILAYER HAVING THERMAL PROPERTIES	SAINT-GOBAIN GLASS FRANCE	20/02/2009	KOLKATA
11	295566	468/KOL/2006	17/05/2006	20/05/2005	CLUTCH DRIVEN DISC WITH WAVE WASHER	EATON CORPORATION	22/06/2007	KOLKATA
12	295579	338/KOLNP/2010	11/08/2008	16/08/2007	METHOD AND SYSTEM FOR SELECTIVE USE OF CONTROL CHANNEL ELEMENT BASED IMPLICIT POINTING	GOOGLE TECHNOLOGY HOLDINGS LLC	07/05/2010	KOLKATA

13	295581	96/KOLNP/2009	01/12/2006	01/12/2006	VARIABLE SPEED DIRECT DRIVE TRANSMISSION	CAKIR AGA MOTORLU TASITLAR SANAYI VE TICARET LTD. STI.	03/04/2009	KOLKATA
14	295591	434/KOLNP/2010	14/08/2008	22/08/2007	NON STOICHIOMETRIC TETRAGONAL COPPER ALKALINE EARTH SILICATE PHOSPHORS AND METHODS OF PREPARING THE SAME		14/05/2010	KOLKATA
15	295602	2499/KOLNP/2013	05/03/2012	10/03/2011	STEEL SHEETS TO BE HOT-PRESSED AND METHOD FOR MANUFACTURING HOT-PRESSED MEMBERS FROM THE SAME	JFE STEEL CORPORATION	04/04/2014	KOLKATA
16	295603	546/KOL/2008	19/03/2008		INNOVATIVE PROCESS FOR ASSEMBLY OF SOLID MEMBRANE BASED HIGH TEMPERATURE FUEL CELLS FOR TESTING AND REPEATED USE	BHARAT HEAVY ELECTRICALS LIMITED	10/03/2017	KOLKATA
17	295609	3732/KOLNP/2011	19/03/2010	20/03/2009	MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR	VERTEX PHARMACEUTICALS INCORPORATED	02/11/2012	KOLKATA
18	295617	325/KOL/2007	07/03/2007	16/03/2006	DRAPEABLE ABSORBENT ARTICLE	MC NEIL-PPC, INC.	05/10/2007	KOLKATA
19	295619	1127/KOLNP/2010	22/09/2008	20/09/2007	MICROFLUDIC DEVICE AND METHOD FOR FLUID CLOTTING TIME DETERMINATION	ILINE MICROSYSTEMS, S.L.	30/07/2010	KOLKATA
20	295621	1117/KOL/2006	23/10/2006 15:17:03	28/10/2005	A CUTTING TOOL INSERT INCLUDING CUBIC BORON NITRIDE	SANDVIK INTELLECTUAL PROPERTY AB	06/07/2007	KOLKATA
21	295626	3373/KOLNP/2009	18/03/2008	12/04/2007	PESTICIDAL MIXTURES COMPRISING CYANOSULFOXIMINE COMPOUNDS	BASF SE	26/08/2016	KOLKATA
22	295627	2549/KOLNP/2009	27/12/2007	28/12/2006	TRANSMITTER APPARATUS, RECEIVER APPARATUS, MOBILE STATION AND RADIO BASE STATION	NTT DOCOMO, INC.	21/08/2009	KOLKATA
23	295633	301/KOL/2007	28/02/2007	02/03/2006	INSERT-INDEXABLE TOOL	MITSUBISHI MATERIALS CORPORATION	05/10/2007	KOLKATA
24	295634	2361/KOLNP/2008	29/11/2006	29/11/2005	SYSTEM FOR POSITIONING SLIDING DOORS	HARDOOR MECHANISM PRODUCTIONS LTD.	23/01/2009	KOLKATA
25	295635	43/KOLNP/2009	17/04/2007	01/09/2006	SUPPORT FOR A STATIONARY SYPHON WITHIN A ROTATING CYLINDER	KADANT JOHNSON INC.	03/04/2009	KOLKATA
26	295638	1054/KOLNP/2011	08/09/2009	10/09/2008	WIND TURBINE BLADE PITCH CONTROL SYSTEM	MOOG INC.	01/07/2011	KOLKATA
27	295644	1513/KOLNP/2011	08/10/2009	08/10/2008	MULTI-LAYER COALESCING MEDIA HAVING A HIGH POROSITY INTERIOR LAYER AND USES THEREOF	CUMMINS FILTRATION IP, INC.	05/08/2011	KOLKATA

28	295648	755/KOL/2008	22/04/2008		ULTRA-SENSITIVE SIMULATANEOUS ELECTROCHEMICAL DETERMINATION OF ARSENIC, MERCURY AND COPPER	INDIAN INSTITUTE OF TECHNOLOGY	10/03/2017	KOLKATA
29	295651	1381/KOLNP/2008	23/05/2006	24/10/2005	TURBOCHARGER	BORGWARNER INC.,KACO GMBH & CO. KG	26/12/2008	KOLKATA
30	295654	3783/KOLNP/2007	11/05/2006	20/05/2005	HIGH MELT FLOW POLYMER OF IMPROVED DURABILITY FOR PIPE APPLICATIONS	BOREALIS TECHNOLOGY OY	09/05/2008	KOLKATA
31	295661	343/KOL/2008	25/02/2008 16:48:55	10/04/2007	HANDLING MANIPULATOR ASSEMBLY	EROWA AG	17/10/2008	KOLKATA
32	295671	1461/KOL/2009	18/12/2009 16:58:22	18/12/2008	PROCESSES FOR PRODUCING ETHYLENE GLYCOL FROM AN OXALATE	CHINA PETROLEUM & CHEMICAL CORPORATION,SHANGHAI RESEARCH INSTITUTE OF PETROCHEMICAL TECHNOLOGY SINOPEC	12/08/2016	KOLKATA
33	295672	2429/KOLNP/2006	19/01/2005	29/01/2004	SUBMARINE FUEL CELL DEVICE, ESPECIALLY FOR A RETROFITTABLE SEGMENT OF A SUBMARINE.	SIEMENS AKTIENGESELLSCHAFT,THYSSENKRUPP MARINE SYSTEMS GMBH	25/05/2007	KOLKATA
34	295688	745/KOLNP/2010	19/08/2008	20/08/2007	PRODUCTION METHOD	GLAXO GROUP LIMITED	28/05/2010	KOLKATA
35	295691	2420/KOLNP/2011	28/09/2004	02/10/2003	METHOD FOR PROCESSING AT LEAST TWO INPUT VALUES	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E. V.	25/11/2011	KOLKATA
36	295692	2460/KOLNP/2008	20/12/2002	21/12/2001	SYSTEMS, METHODS AND SOFTWARE FOR HYPERLINKING NAMES	THOMSON REUTERS GLOBAL RESOURCES	23/01/2009	KOLKATA

CONTINUED TO PART- 3