

**पेटेंट कार्यालय**

**शासकीय जर्नल**

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**DATE: 15/05/2020**

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**पेटेंट कार्यालय का एक प्रकाशन**

**PUBLICATION OF THE PATENT OFFICE**

## **INTRODUCTION**

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01<sup>st</sup> January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

**( Om Prakash Gupta )**  
**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

**20<sup>TH</sup> MAY, 2020**

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**THE PATENT OFFICE  
KOLKATA, 15/05/2020**

**Address of the Patent Offices/Jurisdictions**

**The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-**

1	<p>Office of the Controller General of Patents, Designs &amp; Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24123311, Fax : (91)(22) 24123322 E-mail: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	4	<p>The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai - 600 032.</p> <p>Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.</li> </ul>
2	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037</p> <p>Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu &amp; Dadra and Nagar Haveli</li> </ul>	5	<p>The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091</p> <p>Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ Rest of India</li> </ul>
3	<p>The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi - 110075</p> <p>Phone: (91)(11) 25300200 &amp; 28032253 Fax: (91)(11) 28034301 &amp; 28034302 E-mail: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a></p> <ul style="list-style-type: none"> <li>❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttarakhand, Delhi and the Union Territory of Chandigarh.</li> </ul>		

Website: [www.ipindia.nic.in](http://www.ipindia.nic.in)

[www.patentoffice.nic.in](http://www.patentoffice.nic.in)

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

कोलकाता, दिनांक 15/05/2020

### • कार्यालयों के क्षेत्राधिकार के पते

**विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ नीचे दिए गए हैं:-**

1	<p><b>कार्यालय :</b> महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत, फोन: (91) (22) 24123311 फैक्स: (91) (22) 24123322 ई. मेल: cgpdmtm@nic.in</p>	4	<p><b>पेटेंट कार्यालय, भारत सरकार</b> इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईंगल फ्लास्क, जी. एस. टी. रोड, गायन्डी चैन्नई - 600 032. फोन: (91)(44) 2250 2081-84 फैक्स: (91)(44) 2250-2066 ई. मेल: chennai-patent@nic.in</p> <ul style="list-style-type: none"> <li>❖ आन्ध्र प्रदेश, तेलंगाना, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप</li> </ul>
2	<p><b>पेटेंट कार्यालय, भारत सरकार</b> बौद्धिक संपदा भवन, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, फोन: (91) (22) 24137701 फैक्स: (91) (22) 24130387 ई. मेल: Mumbai-patent@nic.in</p> <ul style="list-style-type: none"> <li>❖ ગુજરાત, મહારાષ્ટ્ર, મધ્ય પ્રદેશ, ગોવા તથા છતીસગढ રાજ્ય ક્ષેત્ર એવં સંघ શાસિત ક્ષેત્ર, દમન તથા દીવ, દાદર ઔર નગર હવેલી.</li> </ul>	5	<p><b>पेटेंट कार्यालय, भारत सरकार</b> कोलकाता, (प्रधान कार्यालय) बौद्धिक संપदा भવन, સીપી-2, સેક્ટર- V, સાલ્ટ લેક સિટી, કોલકাতা-700 091, ભારત. फોન: (91)(33) 2367 1943/44/45/46/87 फैક्स:/Fax: (91)(33) 2367 1988 ई. મેલ: kolkata-patent@nic.in</p> <ul style="list-style-type: none"> <li>❖ ભારત કા અવશેષ ક્ષેત્ર</li> </ul>
3	<p><b>पेटेंट कार्यालय, भारत सरकार</b> बौद्धिक संપदा भવन, प्लॉट સं. 32, સેક્ટર- 14, દ્વારકા, નई દિલ્હી- 110 075. फોન: (91)(11) 25300200, 28032253 फैક्स: (91)(11) 28034301, 28034302 ઈ. મેલ: delhi-patent@nic.in હરિયાણા, હિમાચલ પ્રદેશ, જમ્મૂ તથા કશ્મીર, પંજાਬ, રાજસ્થાન, ઉત્તર પ્રદેશ, દિલ્હી તથા ઉત્તરાંધ્ર રાજ્ય ક્ષેત્રોं, એવં સંघ શાસિત ક્ષેત્ર ચંડીગઢ</p>		

वेबसाइट: <http://www.ipindia.nic.in>

[www.patentoffice.nic.in](http://www.patentoffice.nic.in)

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अથવा पेटेंट (संशोधन) નિયમ, 2006 દ્વારા વાંछિત સભી આવેદન, સૂચનાએ, વિવરણ યા અન્ય દસ્તાવેજ્ય યા કોઈ શુલ્ક પેટેંટ કાર્યાલય કે કેવળ ઉપયુક્ત કાર્યાલય મેં સ્વીકૃત હોંગે।

શુલ્ક: શુલ્ક યા તો નગદ રૂપ મેં યા Controller of Patents કે નામ મેં દેય બેંક ડ્રાફ્ટ યા ચેક કે દ્વારા ભેજી જા સકતી હૈ જો ઉસી સ્થાન કે કિસી અનુસૂચિત બેંક મેં પ્રદત્ત હો જહાઁ ઉપયુક્ત કાર્યાલય સ્થિત હૈ ।

## **SPECIAL NOTICE**

### **18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.**

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

**(Om Prakash Gupta)**  
**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

## **SPECIAL NOTICE**

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18<sup>th</sup> months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

The Journal is uploaded in the website every Friday. So Paper form and CD-ROM form of the Journal are discontinued from 01/01/2009.

## **SPECIAL NOTICE**

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is no third party representation.

## Early Publication:

The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911013871 A

(19) INDIA

(22) Date of filing of Application :05/04/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : AN EVAPORATIVE AIR COOLER WITHOUT LOUVERS

(51) International Classification :F24F0005000000,F02B0029040000,F24F0006040000,  
International classification A45C0011200000,F28F0001120000

(71) Name of Applicant :

1)HSIL Limited

Address of Applicant :Delhi Rohtak Road, Bahadurgarh  
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(72) Name of Inventor :

1)Vikas Manchanda

2)Vaibhav Jain

(31) Priority Document :NA  
No

(32) Priority Date :NA  
Name

of priority :NA  
country

(86)  
International Application :NA

No :NA  
Filing

Date  
(87)

International Publication : NA  
No

(61) Patent of Addition  
to Application :NA

Number :NA  
Filing

Date  
(62)

Divisional to Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

The present invention relates to an evaporative air cooler without louvers, wherein said evaporative air cooler is having hidden fan or blower. More particularly, the present invention relates to an air cooler that does not possess louvers.

No. of Pages : 10 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911013971 A

(19) INDIA

(22) Date of filing of Application :07/04/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : OSTEOCONDUCTIVE CHAIN SILICATE BIOCERAMIC FOR BONE TISSUE ENGINEERING

(51) International :A61L0027560000,A61L0027540000,A61F0002300000,  
classification A61L0027120000,A61F0002280000  
(31) Priority Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name of priority :NA  
country  
(86) International Application :NA  
No :NA  
Filing Date  
(87) International : NA  
Publication No  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date  
(62) Divisional to Application :NA  
Number :NA  
Filing Date

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(72)Name of Inventor :

1)Bandyopadhyay-Ghosh Sanchita

2)Vyas Abhijit

3)Kumawat Vijay shankar

(57) Abstract :

The present invention relates to abioactive glass-ceramic candidate which stands as a substitute for conventionally used bioglass and bioactive ceramic bone fillers and the process of preparation thereof. The present invention more particularly relates to an osteoconductive chain silicate bioceramic for bone tissue engineering consisting of SiO<sub>2</sub>, CaF<sub>2</sub>, Na<sub>2</sub>O, K<sub>2</sub>O, CaO and P<sub>2</sub>O<sub>5</sub> having interpenetrating lath like microstructure with particulate size in the nano dimension range of 50-120 nm and more specifically in the range of 80-100 nm. The disclosed glass-ceramic can not only be used as a bone filler but can also be utilized for load bearing applications.

No. of Pages : 23 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911017544 A

(19) INDIA

(22) Date of filing of Application :02/05/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : AN AIR CONDITIONER SYSTEM WITH SUPER CRITICAL FLUID CONTROLLED OPERATION

(51) International classification :F24F0005000000,F25B0009000000,B60H0001000000,  
F24F0013300000,F24F0001000000  
(31) Priority Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name of priority :NA  
country  
(86) International Application :NA  
No :NA  
Filing Date  
(87) International Publication No : NA  
Number :NA  
Filing Date  
(62) Divisional Application :NA  
Number :NA  
Filing Date

(71)Name of Applicant :  
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Address of Applicant :2-B -14 Talwandi, Kota Rajasthan-324005 Rajasthan India  
(72)Name of Inventor :  
**1)Jain Shantnu Ajaykumar**

(57) Abstract :

The present invention relates to an air conditioner system with super critical fluid controlled operation. The present invention focuses on the utilization of super-critical state through varying the pressure and temperature in the air condition circuit system. In a preferred embodiment this modulation of specific enthalpy is done by varying the pressure before throttling. The refrigerant is cooled down as far as it is feasible by means of the available cooling medium, and the pressure regulated to give the required enthalpy. The present invention efficiently designed to provide the heat exchange mechanism that counters the problems associated with the currently available refrigerant by providing eco-friendly, economical, compact and efficient for medium to large scale requirements eg. buildings, cold storage, commercial spaces, etc.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911017586 A

(19) INDIA

(22) Date of filing of Application :02/05/2019

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A SYSTEM FOR ASSISTING PASSENGERS ON AN AIRPORT TERMINAL AND A METHOD THEREOF

(51) International :G06Q0010060000,H04L0029080000,G06F0017270000,  
classification B25J0009160000,G06N0005020000

(31) Priority Document :NA  
No

(32) Priority :NA  
Date

(33) Name of priority :NA  
country  
(86)

International Application :NA  
No :NA  
Filing

Date

(87) International : NA  
Publication No

(61) Patent of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62) Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(71)Name of Applicant :

1)SunMoribus Innovation LLP

Address of Applicant :72, Sector 31, Near Radha Krishna Mandir, Gurugram 122001, Haryana, India Haryana India

(72)Name of Inventor :

1)Siddharth

(57) Abstract :

The present invention envisages a system (100) for assisting passengers at an airport terminal comprising a plurality of robots (102-1, 102-2, ..., 102-n) and a cloud server (106) over a network (108). The plurality of robots is configured to interact with one or more users at one or more airport terminals for providing a plurality of services to the users during checking-in and checking-out of the one or more airport terminals. The cloud server is configured to receive data pertaining to one or more interactions of a robot with a user at an airport terminal and process the interaction data to generate actionable intelligence. The actionable intelligence is shared with each of the robots in real-time, wherein the interaction data comprises at least one user information and at least one user preference.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911026363 A

(19) INDIA

(22) Date of filing of Application :01/07/2019

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A SMART AND SECURE LABEL STOCK

(51) International :G09F0003020000,G06F0003060000,G09F0003100000,  
classification B32B0027360000,B32B0027200000  
(31) Priority Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name of priority :NA  
country  
(86)  
International Application :NA  
No :NA  
Filing Date  
(87)  
International : NA  
Publication No  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date  
(62)  
Divisional to Application :NA  
Number :NA  
Filing Date

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2)SONIA AGARWAL

(72)Name of Inventor :

1)ARUN AGARWAL

(57) Abstract :

The present invention relates to a smart and secure label stock with security features. The present invention relates to a label stock produced from a substrate utilizing adhesive and liner materials and having a plurality of security features on the rear side of the substrate made using specialized inks and various authentication features for different applications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202011006106 A

(19) INDIA

(22) Date of filing of Application :12/02/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : OPTIMIZED INBUILT PNEUMATIC JACK

(51)

International :B66F0003350000,B60S0009120000,B66F0003240000,F15B0015100000,F15B002100000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A pneumatic jack system inbuilt in a vehicle comprises of an air compressor coupled with the engine of the vehicle, an air tank refilled by the air compressor, pneumatic jacks fitted with each wheel of the vehicle and accompanying with pneumatic valves, and a plurality of pneumatic pipes in which when the pneumatic valves are operated, the pressure applied by the compressed air from the air tank goes to the pneumatic jack which in return lifts the side of the vehicle where the pneumatic jack is fitted and to settle down the wheel to the ground, the air pressure is reversed for closing of the pneumatic jack.

No. of Pages : 11 No. of Claims : 5

(71)Name of Applicant :

1)NewGen IEDC, GLA  
University, Mathura

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/04/2020

(21) Application  
No.202011015035 A

(43) Publication Date  
: 15/05/2020

(54) Title of the invention : IOT BASED DEVICE AND METHOD FOR DETECTING AND KILLING OF MOSQUITOES

(51)

International :A01M0001100000,A01M0001060000,H04W0012060000,A01M0001200000,A01M0001020000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

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(57) Abstract :

The present invention is directed to an IoT based method and device for detecting mosquitoes. The method, comprises the steps of deployment of optical sensor on mosquito repellents; detecting mosquitoes using optical sensor and ultrasonic rays; sending information to microcontroller by ignition of LED light; delivering a message using IoT base solution to the user registered mobile so that user came to know that mosquito has been detected in home environment; switching ON mosquito repellent to kill mosquito by user with the help of IoT device upon receiving the message.

No. of Pages : 12 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202011015135 A

(19) INDIA

(22) Date of filing of Application :06/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A COMPOSITION AND METHOD FOR FLEXIBLE SENSING MATERIAL FOR PIEZORESISTIVE STRAIN AND PRESSURE SENSING APPLICATION

(51)

International :G01L0001180000,H01L0041193000,G01L0009000000,G06F0003041000,G01N0027120000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The Invention provides a composition for flexible sensing material for piezoresistive sensor. The composition comprises an electroactive polymer coated with a silver. The electroactive polymer comprises a polymer composition of a ferro-relaxor Poly(vinylidene fluoride-trifluoroethylene-chlorotrifluoroethylene) P(VDF-TrFE-CTFE)(TER) polymer and (PEDOT):poly(styrenesulfonate) (PSS) polymer.

No. of Pages : 28 No. of Claims : 9

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202011015185 A

(19) INDIA

(22) Date of filing of Application :06/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A KINK COMPONENT FOR A CHASSIS

(51)  
International :B62D0021150000,B62D0025080000,A43B0013120000,H04Q0001020000,H05K0007200000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
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5)Raghav Pathak  
6)Mahish Guru  
7)Honey Thakur  
8)Sanchit Soni

(57) Abstract :

In an embodiment, a chassis (100) is disclosed. The chassis (100) may include a front part (102) having a front side member (104) and a rear part (106) having a rear side member (108). The front part (102) may have a first lateral width (W1) and the rear part (106) may have a second lateral width (W2), the second lateral width (W2) being greater than the first lateral width (W1). The chassis (100) may further include a kink component (110) having a front portion (202) and a rear portion (204). The kink component (110) may be configured to be coupled to the front side member (104) via the front portion (202) and to the rear side member (108) via the rear portion (204). The kink component (110) may be configured to be a bend segment between the front side member (104) and the rear side member (108).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202011015195 A

(19) INDIA

(22) Date of filing of Application :07/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR SYNTHESIS OF NANOMATERIALS OF METAL DICHALCOGENIDES AND OXIDES USING MICROWAVE OVEN UNDER ATMOSPHERIC CONDITIONS

(51) International :B82Y003000000,C01G0001020000,C01B0019000000,H01L0029660000,C01G0009020000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)Indian Institute of Technology Kanpur</b> Address of Applicant :Dean, Research & Development, Room Number 151, Faculty Building, Post Office: IIT Kanpur, Kanpur-208016, Uttar Pradesh, India Delhi India (72)Name of Inventor : <b>1)Dr. Soumyendu Roy</b> <b>2)Prof. Sandeep Verma</b> <b>3)Dr. Reeti Bajpai</b>
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(57) Abstract :

The present invention relates to a method of synthesizing metal dichalcogenide and oxide nanostructures. The method comprises of a one-step process of direct heating of a mixture of precursor materials (in solid powder form) inside a microwave oven under atmospheric conditions. The present invention provides a method of synthesizing nanostructures of metal dichalcogenides and metal oxides comprising of steps: preparing the precursor by mixing source of metal dichalcogenide, source of metal oxide and a microwave absorber material, such that the final precursor is in powder form, subjecting the precursor mixture as prepared to microwave radiations inside a microwave oven under atmospheric conditions to grow the nanostructures such that the total time duration for entire method of synthesizing the nano-structures is less than fifteen minutes. The precursor materials include a source of metal, a source of chalcogen (only for synthesis metal dichalcogenides, not required in case of oxides) and a microwave absorber. The present invention provides metal dichalcogenide compound typically represented by the chemical formula MX<sub>2</sub>, where M represents metal atom in the oxidation state +4 and X represents chalcogen atom (such as sulfur or selenium or tellurium) in the oxidation state -2 in form of hexagonally shaped nano-platelets, nano-flakes or nano-sheets and metal oxide compounds formed by combining at least one metal atom and one oxygen atom in the form of nanorod and nanoparticles.

No. of Pages : 27 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/04/2020

(21) Application  
No.202011015285 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A FOLDABLE STRETCHER ENABLED WITH MECHANISM USED FOR TRANSFERRING PATIENTS.

(51) International :A61G0007100000,A61G0001020000,A61G0001040000,A61G0001003000,A61G0001013000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)ER. ANOOP MONGA</b> Address of Applicant :HOUSE NO. 21622, STREET NO. 7 POWER HOUSE ROAD BATHINDA- 151001 Punjab India <b>2)RAHUL SINGH</b> <b>3)BHAVESH BORSE</b> <b>4)HARWINDER SINGH</b> (72)Name of Inventor : <b>1)ER. ANOOP MONGA</b> <b>2)RAHUL SINGH</b> <b>3)BHAVESH BORSE</b> <b>4)HARWINDER SINGH</b>
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(57) Abstract :

The Invention is related to the field of Bio-medical Engineering & Stretchers. The present invention particularly relates to a foldable stretcher used for transferring patient from accident zone to ICU directly. A Foldable stretcher used for transferring patient comprises Upper part of the Stretcher (101), Front Legs of the Stretcher (102), Back Legs of the Stretcher (103), Adjustable tyre of the Stretcher (104), Supporting tyre of the Stretcher (105), Link of the Stretcher (106); and Tyres of the Stretcher (108). In the present invention we have achieved to design a stretcher which is able to absorb shocks through its design features without use of any shock absorber. It can be used for transferring of patient to ICU or any other place efficiently. This invention also enables the users to transfer the patient smoothly over the small obstacles. This invention can climb over small obstacles without making impact on patient's wounds. This invention also enables the patients to be transferred in the areas where conventional stretcher are difficult to use.

No. of Pages : 29 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202011015433 A

(19) INDIA

(22) Date of filing of Application :08/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : KARNA KAWACH - AN ULTRA PERSONAL PROTECTION EQUIPMENT KIT

(51)  
International :A41D0013000000,A41D0013050000,G08B0025010000,F41H0001020000,A62B0035000000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

The purpose of Personal Protection Equipment (PPE) is to protect the person wearing it from fluids, droplets. Drawbacks of current PPEs: Lack of protection as most kits manufactured using very thin and fragile fabric Produced using PVC which require dedicated factories Non-biodegradable Non comfortable Costly The personal protection equipment disclosed in this specification is an elegant device to protect the wearer from fluids and droplets contact. It is very simple, sleek, user friendly and ergonomic device to use. Unlike other personal protection equipment it is manufactured at very low cost. An invention in first aspect provide a personal protection equipment to protect the wearer from fluids and droplets contact comprising one or more garments consisting essentially of a layer of a heavy duty water resistant canvas fabric or a nylon 60 fabric and another layer of a water proof terylene fabric or a 80 gsm non-woven water repellent fabric.

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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2020

(21) Application  
No.202011015655 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN IMPROVED PROCESS FOR THE SYNTHESIS OF PROPRANOLOL HYDROCHLORIDE

(51)

International :A61K0031138000,A61K0031470400,C07D0311580000,A61K0009140000,C07D0205040000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International

Application :NA

No :NA  
Filing

Date  
(87)

International : NA  
Publication

No

(61) Patent

of Addition  
to

Application :NA  
Number :NA  
Filing

Date  
(62)

Divisional to

Application :NA  
Number :NA  
Filing

Date  
(57) Abstract :

The present invention relates to an improved process for the synthesis of propranolol hydrochloride of Formula I, The present invention further relates to a solid dispersion of propranolol and its hydrochloride salt with pharmaceutical acceptable excipients/polymer.

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

(71)Name of Applicant

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/04/2020

(21) Application  
No.202011015677 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : MEDI AMBULANCE

(51)  
International :A61G0003000000,A61G0001020000,A61G0003020000,B60N0002900000,B60N0002100000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
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(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
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(57) Abstract :

The present invention discloses a patient transport system having a chassis (2) configured for connecting with the vehicle such as motor-cycle. A cabin section (1) configured for supporting thereon a patient. The patient transport systems that provide reliable fixation with motorcycle, when they provide first aid to patients during their transportation. Further, the present invention comprises the connecting part, which includes Gripper, Suspension system, Ball Bearings, Knuckle joint. The lower part of the suspension system of the motor-cycle is connected with the gripper (6) of the patient transport system. The suspension system (4) absorbs sudden shock and the knuckle joint (5) and bearing (3) facilitate turning to the vehicle.

No. of Pages : 10 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202011015819 A

(19) INDIA

(22) Date of filing of Application :11/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SENSOR BASED SYSTEM AND METHOD FOR AUTOMATIC MIRROR ADJUSTMENT IN VEHICLES

(51)

International :B60R0001020000,G03F0007200000,B60R0001072000,B60R0001070000,G02B0027010000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA

Number :NA  
Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

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(57) Abstract :

By utilizing the tilt sensor, this invention aims to adjust the mirror automatically when the handlebar will be in ninety degrees. Then the face of the driver who drives the vehicle is recognized and based on their height and other factors and the mirror will adjust on both sides of the handlebar. In case of an accident or the handlebar is not in ninety degrees then the mirror adjustment will be made automatically and the handle is also adjusted such that the driver can drive the vehicle comfortably. For the mirror adjustment, we have a stepper motor that will adjust the mirror-based on the required sides. The controller will give output to the motor to drive the mirror to the proper position for the luxurious drive.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202011015834 A

(19) INDIA

(22) Date of filing of Application :12/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN ADVANCED LEVEL SECURITY ALERT SYSTEM

(51)  
International :H04L0029060000,G06N0003080000,G06N0003040000,G06N0020000000,G06N0003063000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

The present invention relates to an advanced level security alert system 100 comprising high definition infrared camera; a plurality of learning system; a plurality of server; and a plurality of message receivers. The learning system based on artificial intelligence comprising but not limited to a deep neural network, a machine learning engine, and combination thereof. A method of detecting, analyzing, and transferring security threat data is also disclosed. The high definition infrared camera is capable of capturing audio and visual data of the location and transferring captured data to said plurality of learning system based on artificial intelligence and to said server on real time. The real-time security threat data comprising fire broken, smoke, weapon threat, violence activity, suspicious activity, suspicious individual, and combination thereof.

No. of Pages : 17 No. of Claims : 10

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202014015517 A

(19) INDIA

(22) Date of filing of Application :09/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHODS AND SYSTEMS FOR LASER MARKING PHARMACEUTICAL CAPSULES DURING MANUFACTURING.

(51)

International :G06Q0050180000,C07K0014720000,B82Y0005000000,G06Q0020140000,G06Q0030040000  
classification

(31) Priority

Document :US 62/841,393

No

(32) Priority :01/05/2019

Date

(33) Name

of priority :U.S.A.

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A method is provided for applying a laser marking to a sheet of material forming a capsule from portions of the sheet of material using a pair of die rollers wherein the location of the laser marking is established such that it does not overlap at least one of a seal between the pair of sheets of material formed during the formation of the capsule.

No. of Pages : 32 No. of Claims : 11

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/04/2020

(21) Application No.202017015635 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : INVERTER WITH AC FORWARD BRIDGE AND IMPROVED DC/DC TOPOLOGY

(51) International classification	:H02M 7/493,H02M 3/335,H02M 1/34,H02M 1/42	(71) <b>Name of Applicant :</b> <b>1)CE+T POWER LUXEMBOURG SA</b> Address of Applicant :Zone industrielle In den Allern 6 9911 Troisvierges Luxembourg
(31) Priority Document No	:17200739.5	(72) <b>Name of Inventor :</b>
(32) Priority Date	:09/11/2017	<b>1)FREBEL, Fabrice</b>
(33) Name of priority country	:EPO	<b>2)JOANNES, Thierry</b>
(86) International Application No	:PCT/EP2018/080412	<b>3)CAUBO, Olivier</b>
Filing Date	:07/11/2018	<b>4)BLEUS, Paul</b>
(87) International Publication No	:WO/2019/092000	
(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 relates to a DC-to-AC power converter having a main DC input (1) and a main single-phase AC output (4) comprising a single DC-to-DC converter (5) and, firstly, according to a direct path, a bidirectional voltage-type DC-to-AC converter (6) in cascade with the DC-to-DC converter (5), said bidirectional voltage-type DC-to-AC converter (6) having a DC input-output (11) connected in parallel to the DC output (10) and an AC output-input (12) connected to said main AC output (4) and, secondly, according to a bypass path, and in parallel to said bidirectional voltage-type DC-to-AC converter (6) and to said low frequency diodes (2), a current-type low frequency full switching H-bridge (7), called hereafter AC forward bridge, having a DC input and a AC output, said DC input being connected to said DC output (10) of the single DC-to-DC converter (5) and said AC output being connected in parallel to said main AC output (4), said AC forward bridge having a working frequency less than 1 kHz, so that, when the instantaneous voltage between the terminals of said main AC output (4) attains a predetermined level, the low frequency forward AC bridge (7) is switched on, the low frequency diodes (2) being reverse biased and non-conducting and a constant power is supplied by the DC-to-DC converter (5) directly to the load.

No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201921034397 A

(19) INDIA

(22) Date of filing of Application :27/08/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : BIOMETRIC TOKEN MACHINE AND METHOD THEREOF

(51)  
International :G06F0021320000,G06K0009000000,G06Q0020400000,G07C0009000000,G06F0021600000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(57) Abstract :

The present embodiment herein provides a biometric token machine. The machine includes an enclosure 102 defining a housing which has four sides, top and bottom, a touch screen display 103 with a screen safety door located on top of the housing such that only touch portion of the display is accessible to a user to initialize the machine, enter train details and passenger information or like, a finger print scanner 105, located suitably at any one side of the housing, and slotted to accept finger of the user, wherein the scanner scans and captures finger print information of the user or a passenger and sends the finger print information for authentication to a remote server, a network 110 establishing a communication link between the machine and the remote server and a token printer protected by the printer door, located at any one of the sides of the enclosure, prints a token or ticket 107 after successful authentication of the user from the remote server. FIG 1.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201921044258 A

(19) INDIA

(22) Date of filing of Application :01/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SINGLE BATH DYEING METHOD FOR POLYESTER-COTTON BLENDS

(51)

International :D06P0003820000,D06P0005040000,C23C0002260000,D06P0003540000,D06P0003872000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A single bath dyeing method for a material of polyester-cotton blends including a pre-treatment consisting of scouring and cationization of the material in a single pre-treatment bath to obtain a cationized material, subjecting the cationized material to hot wash followed by neutralization, a single bath dyeing with reactive dyes and disperse dyes in the presence of auxiliaries followed by adding alkali to obtain a dyed material; subjecting the dyed material to cold wash followed by neutralization; treatment with hot soap; acid reduction clearing; hot wash; and cold wash to obtain the dyed material to have good color fastness to wash and rubbing properties without sacrificing the shade of the color. The present invention mainly reduces water consumption, effluent generation, steps of dyeing, power consumption, energy consumption, waste disposal, pollution, etc; thereby making the method cost-effective and eco-friendly.

No. of Pages : 44 No. of Claims : 13

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2)Rishabh Jain

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201921044259 A

(19) INDIA

(22) Date of filing of Application :01/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SINGLE BATH DYEING METHOD FOR POLYESTER-COTTON BLENDS

(51)

International :D06P0003820000,D06P0003540000,D06P0005040000,C23C0002260000,D06P0003872000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A single bath dyeing method for polyester-cotton blends A single bath dyeing method for a material of polyester-cotton blends including a pre-treatment consisting of scouring and cationization of the material in a single pre-treatment bath to obtain a cationized material, subjecting the cationized material to hot wash followed by neutralization, a single bath dyeing with reactive dyes and disperse dyes in the presence of auxiliaries followed by adding alkali to obtain a dyed material; subjecting the dyed material to cold wash followed by neutralization; treatment with hot soap; hot wash; and cold wash to obtain the dyed material to have good color fastness to wash and rubbing properties without sacrificing the shade of the color. The present invention mainly eliminates the use of salt as well as reduction clearing agents and also reduces water consumption, effluent generation, steps of dyeing, power consumption, energy consumption, waste disposal, pollution, etc; thereby making the method cost-effective and eco-friendly.

No. of Pages : 41 No. of Claims : 12

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1)Ashesh Jain

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201921044260 A

(19) INDIA

(22) Date of filing of Application :01/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A COST-EFFECTIVE AND ECO-FRIENDLY DYEING METHOD OF POLYESTER-COTTON BLENDS

(51)

International :D06P0003820000,D06P0003540000,D06P0005040000,D06P0003140000,D06P0001520000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A cost-effective and eco-friendly dyeing method of polyester-cotton blends A cost-effective and an eco-friendly dyeing method for a material of polyester-cotton blends comprising subjecting the material to hot boiling in the presence of auxiliaries followed by polyester dyeing with disperse dyes and auxiliaries to obtain a dyed material; subjecting the dyed material to a pre-treatment consisting of scouring and cationization with simultaneous reduction clearing in a single bath to obtain a cationized dyed material followed by hot wash treatment, neutralization and wash with water; subjecting the cationized dyed material to cotton dyeing with reactive dyes, auxiliaries and alkali to obtain a dyed material; subjecting the dyed material to wash with water followed by neutralization; treatment with wash off agent; hot wash; and wash with water to obtain the dyed material having good color fastness properties without sacrificing the shade of the color. It reduces consumption of water, chemicals, energy, manpower, etc. and cost of dyeing. It eliminates glauber's salt and dye-fixer.

No. of Pages : 51 No. of Claims : 15

(71)Name of Applicant :

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(72)Name of Inventor :

1)Ashesh Jain

2)Rishabh Jain

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202021008606 A

(19) INDIA

(22) Date of filing of Application :28/02/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ESCHERICHIA COLI CELL FACTORY FOR PRODUCING RECOMBINANT PHOSPHOPEPTIDES

(51) International :C12N0009100000,C12N0015700000,C12N0009180000,C12N0001200000,A61K003800000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)SECRETARY, DEPARTMENT OF ATOMIC ENERGY</b> Address of Applicant :Anushakti Bhavan, Chhatrapati Shivaji Maharaj Marg, Mumbai 400 001, Maharashtra, India Maharashtra India (72)Name of Inventor : <b>1)MISRA, Hari Sharan 2)BINDAL, Gargi 3)CHAUDHARY, Reema 4)RAJPUROHIT, Yogendra Singh 5)SHARMA, Dhirendra K 6)RATH, Devashish</b>
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(57) Abstract :

Present invention relates to generation of recombinant E. coli expressing RqkA from genome and showed the synthesis of this enzyme in engineered E. coli hosts. The method comprises specifically transgenising an expressing cassette of RqkA (PgroESL-RqkA) under a constitutive promoter at a locus in the chromosome of E. coli, which would not negatively affect growth of the bacterium from 16°C to 37°C in normal growth medium. Present invention shows engineering of E. coli with three different genetic backgrounds and confirmed the engineering aspects at molecular levels using polymerase chain reaction, immunoblotting etc. Engineered E. coli strains have been verified for the production of Ser/Thr phosphorylated recombinant proteins of human and bacteria origin.

No. of Pages : 24 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202021011722 A

(19) INDIA

(22) Date of filing of Application :18/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : POSTURE, MEDITATION AND YOGA KIT

(51)  
International :A63B0021000000,A47C0015000000,A47C0016040000,A45C0009000000,A47C0009000000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

Modular posture, meditation and yoga kit 10 having a foldable yoga mat 40, a thin blanket 30, a pair of seat blocks, a carrier bag 70; height (H) of each seat block 20 in inverse proportion to effort angle ALPHA (a) 15, the long slender compartment 71 of the carriage bag 70 houses the foldable yoga mat 40, the short wide compartment 81 houses the thin blanket 30 and the pair of seat blocks, the long slender compartment 71 folded and wrapped around the short wide compartment 81, the belt 90 roped within the provisions 82 and adjusted. Another embodiment has a Posture kit 11 comprising a foam board 50, a corresponding wood plank 60, and an envelope bag 80; a second combination of the foam board 50 and the corresponding wood plank 60 underneath is sized such that it is deployed on any sofa to get firmness and comfort. Figure 6.

No. of Pages : 27 No. of Claims : 8

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021015566 A

(19) INDIA

(22) Date of filing of Application :09/04/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : AN EFFICIENT, COST-EFFECTIVE AND ECO-FRIENDLY CATIONIZING AGENT.

(51) International :C09D0163000000,A61Q0005100000,A61Q0005120000,  
classification B41M0005520000,G01N0033543000

(71) Name of Applicant :

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1)Ashesh Jain

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(31) Priority Document :NA

No

(32) Priority :NA  
Date

(33) Name of priority :NA  
country

(86)

International Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent of Addition  
to  
Application :NA  
Number :NA

Filing

Date

(62) Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

ABSTRACT An efficient, cost-effective and eco-friendly cationizing agent. An efficient and eco-friendly cationizing agent for dyeing; the agent comprising: a) (S)-(3-chloro-2-hydroxypropyl) trimethylammonium chloride; and b) at least second component selected from Poly(diallyldimethylammonium chloride) solution (i.e. PDADMAC); Poly(dimethylamine-co-epichlorohydrin-co-ethylenediamine) solution; N'-(2-aminoethyl)ethane-1,2-diamine; 2-cyanoguanidine; Ethanol, 2-[(2-aminoethyl)amino]-, reaction products with epichlorohydrin, ethylenediamine, and 1H-imidazole; or 1,3-Diaza-2,4-cyclopentadiene.

No. of Pages : 35 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841049305 A

(19) INDIA

(22) Date of filing of Application :27/12/2018

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ORTHOPEDIC COT

(51) International :A61G0001020000,A61F0002300000,A61G0005120000, classification A47B0023040000,A61F0005370000  
(31) Priority Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name of priority :NA  
country  
(86) International Application :NA  
No :NA  
Filing Date  
(87) International : NA  
Publication No  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date  
(62) Divisional to Application :NA  
Number :NA  
Filing Date

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2)JS MACHINE TOOLS

(72)Name of Inventor :

1)S.M.SEEMI MOHAIDEEN

2)P.JAYAKUMAR

(57) Abstract :

The orthopedic patients after performing surgery needs complete stable rest to regain joints to original position of the injured limbs. The Orthopedic Cot is designed to rest the orthopedic patients with adjustable bone and joint collapsible foamed pad. The head and right & left knees joints can be individually aligned and inclined towards a comfortable position to rest the patient. It gives relaxing support and each joints can be aligned individually by hydraulic mechanism which runs smoothly and can be operated according to their desire with just by a touch of button. The entire bed is made of high quality lightweight aluminum material with rigid construction and can easily be transferred within hospital premises.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2018

(21) Application  
No.201841049306 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : MOBILABLE LED FLOOD LIGHT TOWER

(51)

International :F21S0009020000,H04W0004020000,H04W0076500000,H04W0004900000,F21S0009030000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing  
Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

The present disclosure relates to a Mobilable lighting tower which is easily positionable to illuminate indoor or outdoor locations. More particularly the device can be used for providing illumination for road work emergency roadway lighting, disaster recovery, sports event etc. Since it is portable can be used to provide temporary lighting even in remote areas.

No. of Pages : 0 No. of Claims : 0

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201941000332 A

(19) INDIA

(22) Date of filing of Application :03/01/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CLINICAL WASH BASIN FOR STERILIZATION

(51)

International :A61L0002260000,B09B0003000000,A61L0002000000,F24D0017000000,A61L0002025000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

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No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

In hospitals after conducting surgery the surgical instruments are cleaned and sterilized. But the stains from bloods, and other secreted liquids from the human body is cleaned only with running water and drained directly to the sewage canal. The washed water may contain some microbial germs and other harmful bacteria when mixed with sewage water induces the growth of harmful germs thus polluting the environment. To avoid such problem the wash basin is designed to clean the liquid surgical wastes and the drained water (which is free from any harmful microbial germs) is only allowed to drain through the outlet pipe with the exhaust water temperature of around 50deg Celsius. During the cleaning process two mini and micro filters separates the solid wastes like blood clots or stained body fluid lumps and it can be removed and taken out for incineration.

No. of Pages : 11 No. of Claims : 10

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2)JS MACHINE  
TOOLS

(72)Name of Inventor :

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2)JS MACHINE  
TOOLS

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201941013990 A

(19) INDIA

(22) Date of filing of Application :08/04/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SYSTEM AND MECHANICAL METHOD FOR EXTRACTING BANANA FIBRE, SQUEEZING OF WASTE MATTER AND COLLECTION OF SAP FROM THE BANANA PSEUDO STEMS

(51)  
International :D01B0001000000,D01B0001140000,H01L0029660000,H01S0005000000,D01B0001100000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
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Date  
(87)  
International : NA  
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(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(72)Name of Inventor :  
**1)A. Sivakumar**

(57) Abstract :

Title: A System and Mechanical Method for Extracting Banana fibre, Squeezing of waste matter and collection of SAP from the Banana Pseudo Stems The present disclosure discloses a design which easily extracts the banana fibres from the banana pseudo stem in a mechanically semi-automated manner. The beating of banana pseudo stem sheet is completed via fabricating central component Raspador technology. The design of sieves and rotating rollers squeezes the maximum SAP from the scutcher waste thereby obtaining good quality fibre output with higher efficiency. The other objective is to provide plurality of rollers to minimize the wetness of scutcher waste thereby enabling the material to dry quickly.

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201941054488 A

(19) INDIA

(22) Date of filing of Application :30/12/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR PROCESSING GENOMIC DATA USING CUSTOM DATABASE IN REAL-TIME

(51)  
International :G06F0016240000,G06F0016220000,G06F0016230000,G06F0016248000,H03M0007300000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

SYSTEM AND METHOD FOR PROCESSING GENOMIC DATA USING CUSTOM DATABASE IN REAL-TIME • Exemplary embodiments of the present disclosure are directed towards a system and method for processing genomic data using custom database in real-time to predict medical conditions of a user. The system comprising a sequencing module configured to sequence input files on a computing device, sequenced files processed through computer tools and a custom database; and a genomic data processing module configured to analyse the sequenced files on computing device for pharmacogenomics, the pharmacogenomics processed through the custom database to develop a risk score for each drug depending on the sequenced files, the computing device configured to enable the genomic data processing module to advise nutritional recommendations and identify avoidable exercises and useful exercises for the user using the custom database in accordance with the processed data of variants and genomics, the computing device configured to generate reports by the genomic data processing module based on the variants and genomics. FIG. 1

No. of Pages : 66 No. of Claims : 18

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2)VAMSI M  
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2020

(21) Application  
No.202041011188 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : LOW COST, PASSIVE DATA COLLECTION AND CARE TAKER CONTACT JEWELRY FOR INDIVIDUALS WITH MEMORY ISSUES

<p>(51) International :G06Q0010100000,G06F0016955000,A01K0011000000,H04M0001560000,G06K0019061 Classification :0000 n (31) Priority Document :NA No (32) Priority Date :NA Date (33) Name of priority :NA country (86) International 1 Application No :NA Filing Date (87) International 1 : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date</p>	<p>(71)Name of Applicant : <b>1)TIWARI HONEY DURGAPRASAD</b> Address of Applicant :ELEVATIONS PALM MEADOW, GUNDALAPOCHAMPALL Y, HYDERABAD, TELANGANA, INDIA-500100. Telangana India <b>2)TIWARI DURGAPRASAD</b> <b>3)C. JAYAPRAKASH</b> <b>4)R. MURUGADOSS</b> <b>5)MUTHUKUMAR M</b> <b>6)TIWARI MEETU</b> <b>7)TIWARI HARSH DURGAPRASAD</b> (72)Name of Inventor : <b>1)TIWARI HONEY DURGAPRASAD</b> <b>2)TIWARI DURGAPRASAD</b> <b>3)C. JAYAPRAKASH</b> <b>4)R. MURUGADOSS</b> <b>5)MUTHUKUMAR M</b> <b>6)TIWARI MEETU</b> <b>7)TIWARI HARSH DURGAPRASAD</b></p>
--	--

(57) Abstract :

A Low cost, passive data collection and care taker contact jewelry for individuals with memory issues referred to as dependent. The dependent wears the jewelry as shown in Figure 1 to 3. The jewelry consists of two QR codes. The first QR code contains the information of dependent and the contact information of the care tacker. The second QR code contains the URL containing the detailed description of the dependent. The URL triggers a web-script that reads the email addresses of multiple care-tackers associated with the dependent from a database and sends an alert message to all the care tackers. The care tackers can take remedial action on receipt of the e-mail alert. The QR codes are covered by protective transparent layer to minimize we re-and-tear. The contact information and the number of the care tackers stored in the database can be modified without any change in physical components.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2020

(21) Application No.202041011228 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : VIRTUAL VISITS TO ICU

(51) International classification	:G06K 9/00	(71) Name of Applicant : <b>1)C SAI LIKHITHA REDDY</b> Address of Applicant : SITE NO. 54TH CROSS, BALAJI NIVAS ESTHER ENCLAVE, JAYANTHI NAGAR HORMAVU, BANGALORE, KARNATAKA, INDIA-560113. Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	<b>2)RAMYA PATIL</b> <b>3)SAHITYA S.S.</b> <b>4)DARSHANA BOHRA</b> <b>5)PROF. ANILKUMAR C.S.</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	(72) Name of Inventor : <b>1)C SAI LIKHITHA REDDY</b> <b>2)RAMYA PATIL</b> <b>3)SAHITYA S.S.</b> <b>4)DARSHANA BOHRA</b> <b>5)PROF. ANILKUMAR C.S.</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Virtual visits are the off-site interactions between patients, hospital staff and relatives which do not involve their physical presence. By implementing virtual visits to ICU we can make the health care monitoring systems more patient-centered. A virtual visit is also used for improvising all the health care monitoring methodology. These days there is a rapid growth of virtual visits in the healthcare monitoring system. The proposed system represents an idea of implementing the Internet of Things (IoT) in Virtual visits to ICU with a motive for measuring and monitoring various parameters of the patient. The main role is to provide the required information about the patients condition to the concerned people as they are always curious to know the continuous health update and also to prevent infection rate in the ICU. The system results in cost-saving and improving the quality of health care, especially in rural areas. The system also motivates the confidence among the patients and their near ones on the rate of care that the health care system provides. It will act as the strength to the doctors because they do not have to rush around and concentrate on regular checkup instead they can take care of medications and other medical requirements. ICU is the most observational unit under any hospital which proves that the patients admitted there will be taken good care and will be checked on a regular timely basis. The proposed system tries to acquire patients body temperature, blood pressure and other parameters using sensors, controller, Wi-Fi module, and cloud database. The required health record is then sent to the doctors and concerned people through Email and SMS.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/03/2020

(21) Application No.202041011368 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SEA WATER DESALINATION USING SOLAR STILL

(51) International classification

:F24S

10/70

(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

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**(57) Abstract :**

Nowadays energy conservation is unavoidable; the solar energy plays a major role in the conservation of energy resources. Solar energy utilization finds much application ranging from domestic water purifier to power generation. Water is essential to human life. In the last two decades the solar energy is used for many applications in which the solar still are used for producing distilled water. The solar still is also used in purifying the saline and waste water. There are number of ways like reverse osmosis, membrane filtration and electro dialysis for purification of water compared to the above said purification process; the solar energy is the most economical one for the water purification. Our project uses dome-shaped solar still which is made to float on water to collect water lost due to evaporation without any power source.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/03/2020

(21) Application No.202041011614 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : EMBEDDED VISION BASED SMART STAIR CLIMBING WHEEL CHAIR FOR ELDERLY AND DIFFENTLY ABLED PERSONS

(51) International classification	:A61G 5/00	(71)Name of Applicant : <b>1)Dr. K. KALIRAJAN</b> Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF ECE, KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, ARASUR, COIMBATORE, TAMIL NADU, 641407. Tamil Nadu India
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(32) Priority Date	:NA	<b>3)Dr.V.SEETHALAKSHMI</b>
(33) Name of priority country	:NA	<b>4)Dr.B.JAISHANKAR</b>
(86) International Application No Filing Date	:NA :NA	<b>5)Dr.S.GEETHA</b>
(87) International Publication No	: NA	<b>6)Dr.K.SUMATHI</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>7)Dr.G.VETRICHELVI</b>
(62) Divisional to Application Number Filing Date	:NA :NA	<b>8)DR.K.MURUGAN</b>
		<b>9)Mr.K.SARAVANAN</b>
		<b>10)Mr. G K JAKIR HUSSAIN</b>
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		<b>9)Mr.K.SARAVANAN</b>
		<b>10)Mr. G K JAKIR HUSSAIN</b>

(57) Abstract :

ABSTRACT EMBEDDED VISION BASED SMART STAIR CLIMBING WHEEL CHAIR FOR ELDERLY AND DIFFERENTLY ABLED PERSONS The present invention relates to a novel smart wheelchair for climbing stair. The present invention specifically relates to a novel embedded vision based cost effective smart stair-climbing wheelchair. The smart wheelchair of the present invention helps differently abled persons and elder persons to improve their life style.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/03/2020

(21) Application No.202041011628 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : DEEP LEARNING CLASSIFIER FOR PROCESSING MOBILE COMPUTING IOT BASED  
HEALTHCARE SYSTEMS

(51) International classification	:G06K 9/00	(71) Name of Applicant : <b>1)Dr. RAJU SHANMUGAM</b> Address of Applicant :S/O SHANMUGAM, 7/154, 5TH STREET, RAJAGOPPALPURAM, MOWLIWAKKAM, KANCHEEPURAM, TAMILNADU, INDIA-600116. Tamil Nadu India
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(32) Priority Date	:NA	<b>3)Dr. V.M. SENTHIL KUMAR</b>
(33) Name of priority country	:NA	<b>4)Dr. G. KAVITHAA</b>
(86) International Application No Filing Date	:NA	<b>5)Mr. N. YUVARAJ</b>
(87) International Publication No	: NA	<b>6)Mr. S. ERANA VEERAAPA DINESH</b>
(61) Patent of Addition to Application Number Filing Date	:NA	<b>7)Mr. R. ARSHATH RAJA</b>
(62) Divisional to Application Number Filing Date	:NA	(72) Name of Inventor : <b>1)Dr. RAJU SHANMUGAM</b> <b>2)Dr. N.V. KOUSIK</b> <b>3)Dr. V.M. SENTHIL KUMAR</b> <b>4)Dr. G. KAVITHAA</b> <b>5)Mr. N. YUVARAJ</b> <b>6)Mr. S. ERANA VEERAAPA DINESH</b> <b>7)Mr. R. ARSHATH RAJA</b>

(57) Abstract :

The present invention provides a method to improve data mining using mobile computing. The present invention specifically relates to mobile computing Internet of Things (IoT) based healthcare architecture comprising smart wearable mobile computing IoT device, smart training equipment and deep learning classifier. The, present invention also provides a method of data mining of EHR using a novel mobile computing Internet of Things (IoT) based healthcare architecture.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202041011861 A

(19) INDIA

(22) Date of filing of Application :19/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : QUANTUM VISUAL CRYPTOGRAPHY WITH MULTIMODAL BASED BIOMETRIC ENCRYPTION SYSTEM FOR DATA SECURITY IN - IOT SYSTEM

(51)

International :H04L0009080000,G06F0021320000,G06T0001000000,H04L0009320000,G06F0021600000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

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(87)

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(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A Quantum Visual Cryptography authentication of biometric feature in IOT System such as online banking system, military applications, Health Applications and sensitive applications where authentication before the actual transaction begins plays a major role. In order to securely transfer the data the biometric feature is embedded along with audio signal using DCT and DWT techniques in an host image. Then the host image is then shuffled and shares are generated using visual cryptography technique. Then using quantum encryption the share are encrypted and transmitted using quantum key distribution system on the receiving end the biometric information is extracted by performing reverse process and used for authentication.

No. of Pages : 15 No. of Claims : 2

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041012284 A

(19) INDIA

(22) Date of filing of Application :21/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : CMWP- Machine Learning: CONTROL THE MANUFACTURING AND WELDING PROCESSES USING MACHINE LEARNING

(51)

International :G06N002000000,G05B0013020000,G05B0019409900,B33Y0050020000,G06F0017280000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

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(61) Patent

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to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

CMWP- Machine Learning: CONTROL THE MANUFACTURING AND WELDING PROCESSES USING MACHINE LEARNING ABSTRACT The invention CMWP- Machine Learning • machine learning-based methods and systems for automated object defect classification and adaptive, real-time control of additive manufacturing and/or welding processes. Providing a training data set, wherein the training data set comprises past process simulation data, past process characterization data, past in-process physical inspection data, or past post-build physical inspection data, for a plurality of design geometries or portions thereof that are the same as or different from that of the object to be physically fabricated that is provided. Predicting an optimal set of one or more process control parameters for initiating the free form deposition process or joining process, wherein the predicted optimal set of one or more process control parameters are derived using a machine learning algorithm that has been trained using the training data set. The performing the post-design free form deposition process or post-design joining process to fabricate the object, wherein real-time process characterization data or in-process inspection data is provided as input to the machine learning algorithm to adjust the one or more process control parameters in real-time while physically performing the free form deposition process or the joining process.

No. of Pages : 28 No. of Claims : 8

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041012385 A

(19) INDIA

(22) Date of filing of Application :22/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : IBDD-CROP HEALTH: IOT- BASED DEVICE TO DETECT THE CROP HEALTH

(51)

International :A01G0022000000,A01G0007000000,A01G0013060000,A01G0025160000,A01M0021040000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA

Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

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(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

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(57) Abstract :

Patent Title: IBDD-Crop Health: IoT- BASED DEVICE TO DETECT THE CROP HEALTH ABSTRACT The invention IBDD-Crop Health The multi-sensor device comprises a housing containing multiple sensor modules for capturing and transmitting sensor data for plants in a crop. A control unit within the housing is operable to control the sensor modules, and a communications interface is connected to the control unit for transmitting data from said plurality of sensor modules. The sensor modules can include a physiological sensor, a surface analysis sensor, and chemical sensor. The multi-sensor device can be used as a hand-held device or mounted to a IoT- Based mobile platform for use in an automated crop monitoring system. All of you know in India when food and other crops are grown on a large scale, either in protected cultivation (such as in a greenhouse) or outdoors, growers face several challenges. For example, it is generally difficult for a grower to predict the quality and yield of the crop at a stage in crop development when intervention will still be feasible and useful. Also it can be difficult for a grower to know if, where and when the crop has a problem (such as related to a pest, disease, water, other biotic stress or nutritional deficit), and the extent of the problem, until it is readily visible to human scouts.

No. of Pages : 29 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/03/2020

(21) Application  
No.202041012389 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CIRCULAR POLARISED UWB ANTENNA: A METHOD AND DEVICE THEREOF

(51)

International :H01Q0009400000,H01Q0001360000,H01Q0009040000,H01Q0009320000,H01Q0009360000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A compact circular polarized textile monopole antenna (100) for wireless communication is proposed. The proposed antenna is fabricated on a jean fabric (205) which provides quintessential features such as compact, lightweight and conformal thereby it can be directly sewed into the human clothes suitable for real-time applications. The dimension of the proposed antenna (L x W) is 25 — 30 — 1.4 mm<sup>3</sup>. The octagonal loop monopole antenna (OL) (102) provides good impedance matching over the entire ultra-wideband frequency range from 3.09 -11.45 GHz. Circular polarization has been achieved by cutting diagonal slots (101) coupled with cross-shaped stubs (CSS) (103 & 105) and by utilizing asymmetrical L shaped ground plane (ALGP) (200). The monopole antenna achieves a 3-dB axial ratio bandwidth from 3.4-10 GHz. The gain and efficiency obtained are about 2.4-4.2 dBi and 80-86 % in the entire UWB frequency range respectively. The simulated SAR is performed to assess its performance for practical applications.

No. of Pages : 13 No. of Claims : 8

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application  
No.202041012586 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR ESTIMATING AN ASSET VALUE

(51)  
International :G06Q0030020000,A61B0005113000,G06Q0020100000,H04N0021840000,G06Q0030000000  
classification  
(31) Priority  
Document :NA  
No

Date  
(32) Priority :NA  
Name  
of priority :NA  
country  
(86)

International  
Application :NA  
No :NA  
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Date

(87)  
International : NA  
Publication  
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of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

SYSTEM AND METHOD FOR ESTIMATING AN ASSET VALUE ABSTRACT A system and a method for estimating an asset value are disclosed. The system includes an asset selection subsystem configured to enable selection of at least one asset by one or more users. The system also includes a price determination subsystem configured to determine a first price and a second price of the at least one asset selected in the asset selection subsystem in a predetermined interval of time. The system also includes a computation subsystem configured to compute a buying price based on the at least one asset selection technique, compute a selling price based on the at least one asset selection technique, compute a target selling price, compute a target buying price, compute a stop loss selling price, compute a stop loss purchase price. FIG. 1

No. of Pages : 30 No. of Claims : 11

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041012688

A

(19) INDIA

(22) Date of filing of Application :23/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : FLYWHEEL RESTORATION THROUGH DYNAMIC FLOW OF FLUIDS (BI-FR GENERATOR)

(51)

International :F03D0009120000,H02K0007180000,F03G0003080000,F03B0003120000,F03D0007060000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

Energy demand is increasing drastically everyday and therefore there is a need to explore alternate methods of energy extraction. Hydro and wind sources are highly researched energy sources. In large systems, the driving force which is either wind or water need to have a high impact force for obtaining maximum output efficiency at turbine end. So, an alternative that works with less impact force and flex type machines are required. The aim of the current project is to create a machine that works from any small impact force from hydro or wind. In this method, flywheel restoration of the energy principle is used for producing energy. The flywheel rotates from the twist tension created by rotating the flywheel around the axis of the end support using a nylon gauge string. When the string is pulled from one end the flywheel gains momentum, successively the created momentum gains centripetal acceleration and initiates revolutions. This helps in effectively transferring the energy to the strings where twist is created in the opposite direction. Again when the string is pulled the string gets twisted in the opposite direction by forward and backward motion of pulling effect. By this mechanism, the flywheel continues to rotate in forward and reverse directions. When the flywheel is placed inside a magnetic field, the change in magnetic flux causes electrons to flow thereby generating current.

No. of Pages : 7 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202041012692 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD TO FORECAST THE INVENTORY SYSTEM BY HESITANT FUZZY TOPSIS TECHNIQUE FOR TEXTILE INDUSTRY

(51)

International :G06Q0010080000,G06Q0010060000,G06Q0010020000,G06N0005040000,G06N0007020000

classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The scope of the Inventory system covers value in the inventory measuring the feature change and planning for future uncertain Inventory levels. A Multi-objective and Criteria Decision Making (MOACDM) method is implemented by Fuzzy Hesitant TOPSIS (FHT) to evaluate the best Inventory system management. The decision-making matrix is formed, normalized and multiplied concerning criterion weights. MCDM method is analyzed, the positive-ideal (PIS) and negative-ideal solutions (NIS) are found, the distance of each effective alternative to be calculated for getting the correct solution. Finally, the good alternatives are positioned dependent on their relative closeness to the perfect arrangement. As a result, we found out the proposed approach is useful and practical to examine and to find the best Inventory system management for the textile industry and other fuzzy MCDM problems. The novelty of Hesitant Fuzzy TOPSIS method can be highly useful in large scale decision-making issues as regularly found within the inventory control system.

No. of Pages : 28 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041012710 A

(19) INDIA

(22) Date of filing of Application :24/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : MACHINE LEARNING BASED INSPIRATORY FLOW MONITORING AND ATTACK PREVENTION USING DIGITAL INHALER FOR ASTHMA PATIENTS

(51)  
International :A61M0015000000,A61M0016000000,A61B0005090000,A61B0005080000,G06N0020000000  
classification

(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International

Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to

Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to

Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

A few people with asthma may go for expanded periods without having an asthma attack or different side effects, hindered by intermittent exacerbating of their indications because of introduction to asthma triggers, for example, exercise or presentation to cold air. Gentle asthma assaults are commonly increasingly normal. For the most part, the airways open up inside a couple of moments to a couple of hours after treatment. Extreme asthma assaults are less normal however last more and need quick clinical support. It is imperative to perceive and treat even gentle manifestations of an asthma attack to assist you with forestalling extreme scenes and monitor asthma. Digital inhaler that uses sensors to connect to a companion smartphone app for people who have asthma and chronic obstructive pulmonary disease, according to the company. Using built-in sensors, the Digital inhaler can measure inspiratory flow and detect when the inhaler is used. Then, the data can be sent to the smartphone, the sophisticated machine learning techniques can review historical data and detection of early stage seizures.

No. of Pages : 10 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041012914  
A

(19) INDIA

(22) Date of filing of Application :25/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : UNCOVERING AND PREVENTION OF DATA LEAKAGE IN CLOUD FROM MOBILE DEVICE

(51)

International :G06F0021570000,G01S0017950000,G06Q001000000,G04G0021020000,G06K0009680000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition  
to

Application :NA  
Number :NA

Filing  
Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

Progressively, higher mobile purposes are making use of the Cloud as the backend, in particular the cloud APIs, for records capacity, information examination, message notification, and checking. Sadly, we have, as of late, noticed substantial records spills from the Cloud, extending from utilizing and by way of recognizable records to company privileged insights. Right now, look to comprehend why such imperative breaks manifest and configuration gadgets to apprehend them naturally. Even though records misfortune has to turn out to be a considerable difficulty that needs to be illuminated in several varieties of organizations, conceivable courses of data misfortune have gotten confounded and various, making countermeasures hard to develop. This invention is growing data misfortune prevention applied sciences that comprise understanding identified with cell devices, facts searching technologies, and protection technologies like encryption. At that point, we shape a lot of robotized software investigation strategies, which include obfuscation-strong cloud API identification and string esteem examination, and execute them in a test gadget to distinguish the possible records spillage vulnerabilities from mobile purposes established on how the cloud APIs are utilized. We have triggered victorious revelation to each two of the cloud provider suppliers, and they have all affirmed the vulnerabilities we have identified and are successfully working with the cellular utility developers to fix their defenceless services.

No. of Pages : 13 No. of Claims : 3

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202041012964 A

(19) INDIA

(22) Date of filing of Application :25/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR PULSE PARAMETER ESTIMATION FOR DIGITAL RECEIVERS AND SYSTEM THEREOF

(51)  
International :H04W0024080000,G01S0005020000,G01S0007020000,E21B0047040000,E21B0043000000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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Suhas Chandra

(57) Abstract :

The present disclosure, there is provided at least a method for pulse parameter estimation for digital receivers and systems 300 thereof. The method is adapted for extracting pulse parameters such as Frequency, Amplitude, Pulse width, Time of Arrival (ToA), Angle of Arrival (AoA) and Modulation on Pulse (MoP) with improved accuracy. The method comprises selecting one or more RF signals for signal activity detection. The method further comprises retrieving data relating to one or more RF signals stored in a memory 302. Further, separating, based on frequency information, one or more detected signals obtained after signal activity detection is performed. The separation comprising down-converting the one or more detected signals to a baseband signal and estimating one or more RF signal parameters by performing computation on the down-converted baseband signal.

No. of Pages : 32 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202041013659 A

(19) INDIA

(22) Date of filing of Application :28/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : PROCESS FOR PREPARATION OF ANTI-FOULING BIO-PAINT FORMULATIONS FOR DOMESTIC APPLICATIONS

(51)

International :C09D0005160000,A01N0065080000,A01N0037020000,A01N0063020000,A01N0065000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention is related to the processing and preparation of anti-fouling bio-paint formulations for domestic applications. The present invention discusses the process of utilising lichen secondary associated bacteria as a source for the formulation of antifouling agents as shown in Fig. 7. The formulated antifouling paint composition is nontoxic, anticorrosive and cost-effective. Lichen bacterial metabolite shows its activity against bacterial, fungal and also against algae formation. The formulation of the present invention can be extensively used in domestic applications for preventing pests and microbial activity leading to the destruction of the house-hold property. The formulation is effective against pests, insects and also has anti-corrosive property thereby protects the buildings, walls, floor and other areas of the house including but not limited to pipes, sinks, taps and the like. The formulation of the present invention does not cause any detrimental effect to the individuals living within the area.

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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application  
No.202041013698 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SMART FISH TO DETECT AND MONITOR CONTAMINATION IN AQUATIC ECOSYSTEM USING MICRO-CONTROLLER

(51)  
International :H04W0084180000,G01N0033180000,G06F0003048400,G06N0007000000,H04W0004000000  
classification  
(31) Priority  
Document :NA

No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
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Date  
(87)

International : NA  
Publication

No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

Wireless Sensor Network (WSN) is a wide spreader technology. It is of spatially distributed autonomous sensors to monitor physical or environmental conditions and sends through the network to a main location. The WSN is a built of nodes from a few to several hundreds or even thousands, where each node is connected to one or more sensors. There are many more applications in WSNs and the important application is based on the environmental monitoring. By considering the environmental application, the water resources and aquatic eco systems are facing increasing threats from climate change, improper waste disposal, and oil spill incidents. The network is used to cover a certain area with the help of mobile sensors for detecting and monitoring the certain diffusion processes that are harmful to aquatic environments. The automated under water vehicles are subject to monitor the contamination in a water. The formulated movement problem aim to maximize the cost. The robotic sensors collaboratively profile the characteristics of a diffusion process including source location, discharged substance amount and trends to reposition themselves. To the extensive of real data traces the GPS localization of fish is communicated through the wireless devices.

No. of Pages : 7 No. of Claims : 3

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**6)Mr.V.Surendran**

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202041013720 A

(19) INDIA

(22) Date of filing of Application :28/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CO2 GENERATING BIO-RESIN

(51)

International :A01M0001020000,B01J0020200000,B32B0027080000,C08L0031040000,B32B0027300000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

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(57) Abstract :

The present invention relates to a biodegradable source of Carbon dioxide. Specifically, the present invention relates to a biodegradable CO2 generating bio-resin comprising activated carbon (102) coated on Ethylene vinyl acetate (EVA) resin (104), for attracting blood sucking insects, particularly mosquitoes. The present invention further relates to process of preparation of the CO2 generating biodegradable EVA resin.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202041014300 A

(19) INDIA

(22) Date of filing of Application :31/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SUPPORT STRUCTURE FOR AN EVAPORATIVE EMISSION CONTROL DEVICE

(51) International :F02M0025080000,B62D0021150000,B60G0009020000,B62K0011100000,B60N0002680000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)TVS Motor Company Limited</b> Address of Applicant :TVS Motor Company Limited Chaitanya • , No.12 Khader Nawaz Khan Road, Nungambakkam, Chennai 600 006. Tamil Nadu India (72)Name of Inventor : <b>1)MANNIKARAJ MANOJKUMAR 2)SORNAPPAN BANU SHARMANATH 3)KARNAM VENKATA MANGA RAJU</b>
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(57) Abstract :

The present subject matter relates to a vehicle frame assembly of a vehicle. More particularly to mounting of a support structure on the vehicle frame assembly. A support structure (201) attached to said cross member (208), said support structure (201) includes a first attachment member (201a) and an extension member (201b), said first attachment member (201a) is attached to said cross member (208), said extension member (201b) extending from said first attachment member (201a) along a vehicle longitudinal direction (LL`), said extension member (201b) is extending along one rear frame (204a) of said pair of rear frames (204) with a pre-determined distance (d) therebetween, said extension member (201b) is configured to support a portion of said evaporative emission control device (207).

No. of Pages : 27 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041014469 A

(19) INDIA

(22) Date of filing of Application :31/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : SPEED CHANGING DEVICE: INTELLIGENT SPEED CHANGING DEVICE OF A MIXER AND NOTIFICATION THROUGH IOT

(51) International :B01F0013040000,B01F0007160000,B01F0015000000,F16H0063300000,B62M0025080000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : 1)DR. RAMBABU ARJUNARAO VATTI (PRINCIPAL) Address of Applicant :BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY. MANGALAPALLY IBRAHIMPATNAM RANGA REDDY, HYDERABAD, TELANGANA-501510, INDIA. Email: rambabuvatti.india@gmail.com Telangana India 2)DR. PANKAJ KUMAR SRIVASTAVA (PRINCIPAL) 3)DR. VISHAL MOYAL (ASSISTANT PROFESSOR) 4)DR.C.M. JOSHI (DIRECTOR) 5)PROF.(DR.) S. B. CHORDIYA (DIRECTOR- SIMMC-CAMPUS) 6)PROF.DR. BEG RAJ SINGH (DIRECTOR/ PRINCIPAL) (72)Name of Inventor : 1)DR. RAMBABU ARJUNARAO VATTI (PRINCIPAL) 2)DR. PANKAJ KUMAR SRIVASTAVA (PRINCIPAL) 3)DR. VISHAL MOYAL (ASSISTANT PROFESSOR) 4)DR.C.M. JOSHI (DIRECTOR) 5)PROF.(DR.) S. B. CHORDIYA (DIRECTOR- SIMMC-CAMPUS) 6)PROF.DR. BEG RAJ SINGH (DIRECTOR/ PRINCIPAL)
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(57) Abstract :

Speed Changing Device: INTELLIGENT SPEED CHANGING DEVICE OF A MIXER AND NOTIFICATION THROUGH IOT ABSTRACT The invention Speed Changing Device • A safety protection device for a speed changing device of a mixer is provided with a control unit on an operating rod assembly and notified your display unit. and a tact switch is used in combination with the control unit. When using the operating rod assembly to perform gear shift, the user can feel whether the gear has been shifted to the correct position based on position change of the control unit with respect to the tact switch. During gear shift, the tact switch will turn off the power to the motor controller to stop the motor, so that gear shift operation can be performed more smoothly without interference with the motion transmission parts of the mixer, and consequently, the life of the mixer can be extended. The invention is A conventional mixer is normally provided with an operating rod assembly for allowing the user to perform gear shift. The operating rod assembly is interconnected to a gear shift fork inside the mixer. Operating the operating rod assembly can drive the gear shift fork to engage with different gears so as to change rotation speed of the drive shaft, and consequently changing the rotation speed of the mixer. When the operating rod assembly is being operated during gear shift, the motion transmission parts of the mixer are still moving or rotating. Therefore, the gear shifting operation will interfere with the respective motion transmission parts, causing jamming and collision of the motion transmission parts.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application  
No.202041014550 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AUTOMATIC DENTAL CARE MANAGEMENT SYSTEM USING COLOR SENSORS

(51)

International :A61C0007000000,A61F0005560000,A61C0019050000,A61C0007120000,A61C0005000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
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to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

This invention is for people without teeth and complete loss of all-natural teeth, and teeth can be placed by our automated machine. Here we have an intraoral sensor which sensing the position of the teeth that we are going to place. By utilizing the color sensor, we check the color of the both upper and lower jaw. With this, we check the patient's health condition to placing the teeth. By checking the patient condition initially, we are going to drill the patient lower jaw in the bottom side up to fix the teeth. Then by fixing teeth, we have two types of teeth temporary teeth placing and permeant teeth placing. From the sensor output, we have the position that can be measured perfectly and with output the size of teeth, artificial teeth could be made for the patients.

No. of Pages : 19 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application  
No.202041014579 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR ASSISTING A USER TO FALL ASLEEP

(51)

International :A61B0005145000,A61B0005110000,A61B0034200000,A61B0005000000,G06Q0010100000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A system and a method for assisting a user to fall asleep are disclosed. The system includes a registration subsystem configured to register the one or more users. The system also includes an analysing subsystem is configured to analyse one or more details associated with the one or more users registered by the registration subsystem in order to determine one or more sleep deprived users. The system also includes an interactive chat subsystem is configured to alleviate the one or more sleep deprived users based on the analysing subsystem by interaction with at least one chat assistant for a pre-defined interval of time. FIG. 2

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202041014644 A

(19) INDIA

(22) Date of filing of Application :02/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN ADAPTIVE LEARNING BASED APPARATUS FOR IDENTIFYING, MONITORING, TRACING AND MANAGEMENT OF PARAMETERS OF THINGS.

(51)  
International :A61B000500000,A61B0005020500,A61B0005024000,A61B0005083000,H04W0088080000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date  
(87)

International : NA  
Publication

No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date  
(62)

Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

An adaptive learning based apparatus for identifying, monitoring, tracing and management of parameters of things. Abstract: A novel apparatus to identify, measure, trace, control, monitor and management of parameters of a living or non-living thing has been proposed. In one of the embodiment, this apparatus used for live monitoring of vital medical parameters of human or thing, precise trace of past, current and future meta location of a person in the space and analytics information through adaptive deep machine learning tools. Modules in the apparatus would capture several parameter of a person through various units such as sensors, transducers; living beings sense identifiers and nullifier. Parameters from sensors would reach the system in the form of electrical, optical, temperature, vibration, trans received electromagnetic(EM) waves in ultra violet, bio sensors, infrared, ultrasound, Proximity EM signal in the spectrum, concentration of chemical in any form of matter, electrochemical, ion selective field effects parameter signal and so on. Trans-frequency and trans-communication transceivers modularly connected with reconfigurable features.

No. of Pages : 41 No. of Claims : 23

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application  
No.202041014653 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : GAS LIGHTER WITH LEAKAGE AND LEVEL MONITORING SYSTEM

(51)  
International :G01N0027120000,A61M0011040000,G08C0017020000,H01M0010480000,G01N0033000000  
classification  
(31) Priority  
Document :NA

No  
(32) Priority :NA

Date  
(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication : NA

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

TITLE: Gas lighter with leakage and Level monitoring system The present invention comprises of Gas sensor (2), which further comprises of micro AL2O3 ceramic tube, Tin Dioxide(SnO<sub>2</sub>) sensitive layer ,gauging electrode and heater to detect the leakage of LPG gas, Weight sensor (7) is connected to HX711 (8) breakout board to convert electric signal to weight sensor and input pin of microcontroller (9) further connected to LED (11) and lithium ion battery (4) to provide power supply to the said system. The said system comprises of inbuilt gas lighter system (1). The said gas sensor comprises of 6 pin, wherein four pin VCC, GND, Digital ,Analog pin fetch signal and other two pin for providing heating current. The gas sensor is interfaced parallel with input pin of IC (3) and GATE with two inputs and one output further connected to buzzer device (5). The LED (11) is connected outside of the said system by means of a plastic pipe (10).

No. of Pages : 19 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202041014696 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : AUTOMATED VEGETATION MAPPING APPROACH OF CROPS THROUGH SATELLITE IMAGE FUSION AND CONVOLUTION NEURAL NETWORKS-BASED CLASSIFICATION

(51)

International :G06T0005500000,G06K0009620000,G06K0009000000,G06N0003040000,G06N0003080000

classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

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International

Application :NA

No :NA

Filing

Date

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International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

High spatial and spectral resolution multispectral images (MS) are needed for detailed classification of vegetation covers. The satellites provide low resolution MS images due to the limitations of sensor technology. In this proposal, deep learning networks based super resolution is applied to increase the spatial resolution of the MS image. However, MS images are not providing exact region location due to low spatial resolution. The panchromatic image (PAN) contains high spatial resolution details that can be used to extract region information. Fusion of different sensor images is essential to increase the interpretability of data and increase the spatial and spectral information. PAN and MS images transformed into curvelet transform domain and fused using brain storm optimization algorithm. This opens a new way to extract high accuracy vegetation covers by integrating images from different sensors. The same vegetation cover on ground may have different spectral features in remote sensing imagery. Moreover, different vegetation covers may have similar spectra details that makes very hard to produce accurate classification results by using traditional supervised and unsupervised classification. In this proposal, deep learning network (CNN) based classification is used to obtain high classification vegetation cover. CNN is using the spatial structure of image to reduce number of parameters to be learned. Due to this CNN can provide high classification accuracy. Recent researchers started using CNN in many application areas due to the advancement of CNN. This is the first use of CNN in vegetation mapping.

No. of Pages : 12 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202041014768 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : ITV-SELF-BALANCING VEHICLE: INTELLIGENT SELF-BALANCING TWO WHEEL VEHICLE.

(51)

International :B62K0011000000,B60L0015200000,B62K0005100000,B62K0001000000,B62K0005027000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

ITV-Self-Balancing Vehicle: INTELLIGENT SELF-BALANCING TWO WHEEL VEHICLE. ABSTRACT The invention ITV-Self-Balancing Vehicle A two-wheel, Intelligent self-balancing vehicle having independently movable foot placement sections and other required sections. The foot placement sections have an associated balance wheel, sensor and motor and are independently self-balancing which gives the user independent control over the movement of each platform section by the magnitude, motion and direction of tilt a user induces in a given platform section. Various embodiments are disclosed including those with a continuous housing, discrete platform sections and/or tapering platform sections. The invention two-wheel, intelligent self-balancing vehicles has two platform sections, each associated with a given wheel, that tilt from side-to-side as a user leans left or right. The two platform sections move in a linked or dependent manner (for example, through a parallelogram structure, frame, and not independently) and there is a single vertical axis for the platforms. When the axis is tilted directly forward or backward, both wheels drive at the same speed (as required for self-balancing). If a user leans to the side (tilts the vertical axis sideways), then the outside wheel is driven faster than the inside wheel to effect a turn toward the direction of the tilt.

No. of Pages : 22 No. of Claims : 8

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application  
No.202041014796 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : A NOVEL MULTIPLE-ACCESS EDGE COMPUTING TECHNIQUE FOR ULTRA-RELIABLE LOW-LATENCY COMMUNICATION (URLLC), AND MASSIVE INTERNET OF THINGS (IOT) IN 5G NETWORKS

(51)

International :H04L0029080000,H04L0029060000,H04L0012660000,H04W0004700000,H04W0004000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

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International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

Mobile edge computing (MEC), a key technology to improve cloud data services in 5G networks. It is used to optimize mobile memory and network resources by hosting compute-intensive applications, process extensive data before sending it to the cloud. To such applications, low latency with reliability is the primary requirement. Since 5G networks are going to provide high data rates and connect billions of devices using IoT. The concept of the MEC becomes one of the essential tools of 5G. For IoT in 5G networks, given MECTM's ability to provide cloud platform and gateway services at the network edge. IoT is also one of the motivations for developing promising 5G technologies to allow the massive connections from a large number of things • to the Internet via wireless networks. It will inspire the development of myriads of applications and services with demand for ultra-low latency and excellent Quality of Service (QoS) due to its small geographical distribution and extensive support for mobility. In this invention, the framework for MEC services in 5G networks for IoT applications is defined as an essential enabler of IoT applications and services which require real-time operations. We designed a low latency, reliability platform of MEC for IoT applications in 5G.

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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202041014806 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : A PORTABLE WEARABLE APPARATUS FOR AGED AND ISOLATED PERSON MONITORING SYSTEM

(51)

International :A61B000500000,A61B0005040000,G08B0021040000,G08B0025010000,A61B0005047600  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention is the portable wearable apparatus for monitoring a Old person to detect the onset of a patient, the method executed at least in part by a control logic processor, obtains, from one or more electrodes on the patient's scalp, at least a first brain wave signal pattern and a second brain wave signal pattern from the patient. The system compares at least the first brain wave signal pattern to the second brain wave signal pattern and reports a patient, storing, in an electronic memory, a record indicating the time of the patient according to the comparison. It also determines heart rate. This invention is designed in the form of a wrist watch which is worn by the aged people for most of the time. A physical button provided in the watch can be pressed to establish immediate connection between the sufferer and a rescuer, along with the location details. It also performs some little deeds like drug ordering from nearby pharmaceutical shops. This purpose is achieved by a button. This device also comes with fall detection capability to alert the helpers with location sent via SMS. It also has several other button based features.

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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202041014807 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : AN APPARATUS OF INFORMATION GATHERING SMART SPECTACLES BASED ON ARTIFICIAL INTELLIGENCE

(51)

International :G06Q0030060000,G02C0013000000,A61M0037000000,A47G0029120000,H04N0013341000

classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name :NA

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Nowadays, knowledge is the most powerful thing at all. But most of the peoples are not interested to put effects for gain knowledge. They like the knowledge want to come in finger-tips without taking effects. In this world, information gathering is very important for many researchers. So virtual try-on of glasses has certain advantages over physical try-on in some cases. The virtual try-on system encourages online shopping which enjoys greater popularity. In this world, knowledge is the most powerful thing at all. But most of the peoples are not interested to put effects for gain knowledge. They like the knowledge want to come in fingertips without taking effects. The inventor found exact solution for the above-mentioned problems in the form of computerized spectacles. This spectacle scans/tracks the wearing human eyeball, based on that eyeball vision, the spectacle will scan the object which we can see. While wearing this gadget can know the details like the structure and function of the viewed product. This information would be received by a person who wears those spectacles through Bluetooth earphone/smartphone devices. And also that details may be received by another person or mailbox.

No. of Pages : 20 No. of Claims : 10

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202041014902 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : HEARING AID AND METHOD EMPLOYED IN ITS FUNCTIONING

(51)

International :H04R0025000000,H03F0003217000,H03F0003680000,H04R0005040000,H03F0003260000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a hearing aid comprising of: an audio source; an audio amplifier; and a vibrating motor, where the audio signal appears as audio input which is from the audio source, and the audio signals are amplified in the audio amplifier, where the audio output is given to the vibrating motor which vibrates as per audio input. FIG. 1

No. of Pages : 10 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202041014960 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : ABNORMALITY DETECTION AND PREDICTION OF FETUS BY CTG AND ULTRASOUND DATA SETS USING MACHINE LEARNING TECHNIQUES

(51)

International :A61B0008080000,A61B0005000000,G06N0020000000,A61B0008000000,G16H0050200000

classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

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(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The prediction of health status through ultra sound images of fetus requires more years for obstetrician in a conventional medical practice. The abnormalities of the foetuses can be predicted through prediction of various fetal parameters like fetal weight, biparietal diameter, head circumference, fetal heart rate, abdominal circumference, mid-thigh circumference and femoral diaphysis length in initial stages itself. The internal Cardiotocography (CTG) data and external Ultrasound data are combinedly used to prediction using Deep Support vector Machine and Logistic Regression machine learning techniques. Obstetric ultrasound assessment of physiological parameters mentioned above are used to estimate the fetal health status during pregnancy to decrease pre-birth bleakness and mortal. In this invention, we develop an algorithm to extract features from clinical data consider that Machine learning can give a precise estimation to obstetricians nearby conventional clinical practices, just as a productive and successful help apparatus for pregnant ladies for self-observing. This prediction system with assistive e-Health applications, which both the pregnant ladies and professionals can utilize. The datasets compared are derived from e-health records in to 9 binary classification models and trained by 4500 data sets. The predictions are 96% accurate in detecting abnormalities during pregnancy itself, where as in conventional practice only 60-70% are detected during pregnancy and 30-40% after child birth.

No. of Pages : 10 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202041016835 A

(19) INDIA

(22) Date of filing of Application :23/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SMART SHOPPING CART AND METHOD THEREFOR

(51)

International :B62B0003140000,H04M001500000,G06Q0030060000,H04N0007180000,B62B0005040000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

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(61) Patent

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to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

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(57) Abstract :

The present invention relates to an IoT based smart purchase and billing by secured payment system through the device mounted in the shopping carts. A smart shopping cart (1) comprises of a billing device (51), wherein said device (51) comprises of a swiping means (53), a scanning means (54) and a control unit (55) with wireless communication means (56) and a display unit . (57).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041016847 A

(19) INDIA

(22) Date of filing of Application :23/03/2020

(43) Publication Date : 15/05/2020

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(54) Title of the invention : POLY HERBAL SYNERGISTIC COMPOUND THE PREVENTION AND MANAGEMENT OF INVASIVE CANDIDIASIS IN INTENSIVE

(51) International :G01N0033543000,A61K0031496000,A61K0031416400,  
classification A61K0047060000,C12Q0001680900

(31) Priority Document :NA  
No

(32) Priority :NA  
Date

(33) Name of priority :NA  
country  
(86)

International Application :NA  
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(87) International : NA  
Publication No

(61) Patent of Addition  
to Application :NA  
Number :NA

Filing Date

(62) Divisional to Application :NA  
Number :NA

Filing Date

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(57) Abstract :

Poly Herbal Synergistic compound the prevention and management of Invasive Candidacies in Intensive Care Units, a Non Invasive Poly Herbal Synergistic compound, WICS having 09 Herbal ingredients in oral dosage form possessing Anti fungal, Anti microbial and Anti-oxidant properties, to be used for the effective Prevention and Management of Candida infections, Hospital- Acquired Infection (HAI), also known as a Nosocomial infection, especially Invasive Candidiasis (IC) in Intensive Care Units (ICU).

No. of Pages : 39 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931019856 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : AUTOMATED VEHICLE ACCIDENT AND THEFT PREVENTION DEVICE

(51) International :G08B0021060000,B60K0028060000,A61B0005180000,  
classification B60W0040080000,G06K0009000000  
(31) Priority Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name of priority :NA  
country  
(86) International Application :NA  
No :NA  
Filing Date  
(87) International : NA  
Publication No  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date  
(62) Divisional to Application :NA  
Number :NA  
Filing Date

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(57) Abstract :

This invention relates to a vehicle having an automated accident and theft prevention device and in particular this invention relates to a vehicle having an automated accident and theft prevention device which can work even in dark environment. Furthermore, this invention also relates to a vehicle which consists of a camera with IR provision wherein the IR provision will make the light independent image processing technique, alcohol sensor, a host microcontroller based devices along with actuators like hooter, fuel flow controller and a GPS/GPRS system. This invention also relates to a vehicle having an automated accident and theft prevention device which has good application prospect and has the advantages of high accuracy, high reliability and can effectively solve the problems of theft of vehicles and drunk-driving or drugged driving, so that the occurrence of traffic accidents is significantly reduced.

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201931044202 A

(19) INDIA

(22) Date of filing of Application :31/10/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A MULTIPURPOSE TRANSFORMABLE FURNITURE ASSEMBLY

(51)

International :F21V0023040000,A47C0013000000,A47C0004020000,A47B0047000000,A47B0083040000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

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of Addition  
to

Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a multipurpose transformable space saving furniture assembly that provides multitude of configurations to form a variety of useful furniture items. The present invention relates to a multipurpose transformable space saving furniture assembly having a plurality of modules arrangeable with each other to get desired furniture items. Figure 1 on sheet no. 1 of the drawings may accompany the abstract when published.

No. of Pages : 26 No. of Claims : 7

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/02/2020

(21) Application No.202031007118 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DESIGN AND WORKING OF A TRICYCLE BASED VENDING CART CONSISTING OF A CONVERTIBLE REFRIGERATION UNIT

(51) International classification	:B62B3/14	(71) <b>Name of Applicant :</b> <b>1)ABHISHEK SINGH</b> Address of Applicant :B/31 CLASSIC APARTMENT, NEW BARADWARI, SAKCHI, JAMSHEDPUR, JHARKHAND, INDIA Jharkhand India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	<b>2)PRATUL CHANDRA KALITHA</b> <b>3)GURDEEP SINGH</b> <b>4)RAKSHA SINGH</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)ABHISHEK SINGH</b> <b>2)PRATUL CHANDRA KALITHA</b> <b>3)GURDEEP SINGH</b> <b>4)RAKSHA SINGH</b>
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

ABSTRACT: This invention illustrates a tricycle based vending cart designed with convertible refrigerating unit when not in use providing the fruits and vegetable an environment to extend their shelf life along with maintaining quality without pressurized cooling. The method adopted for cooling is economical and using renewable form of energy where the tricycle is reequipped with solar panels which facilitated the process of evaporative cooling which helped to keep the environment inside the storage cool. The design is also equipped with the facility to convert the pedal driven tricycle into electric run vehicle using the battery attached which can either be externally charged or charged using the power generated from the solar panel.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/02/2020

(21) Application  
No.202031007905 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : DEVICE AND METHOD FOR MEASUREMENT OF SPATIAL DISTRIBUTION OF REFRACTIVE INDEX OF OPTICAL FIBER PREFORMS

(51)

International :G01N0021450000,G01M001100000,C03B0037014000,G01N0021410000,G01B001100000  
classification

n

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

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Date

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International : NA

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No

(61) Patent

of Addition

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Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Abstract of the Invention: This invention relates to a method and a device for measuring the spatial variation of refractive index of an optical fiber preform. The working principle is based on reflectivity of Transverse Electric (TE or s) and Transverse Magnetic(TM or p) polarized light beams, which is a function of the local refractive indices of pair of media at the point of incidence on a suitable prism surface from where Fresnel reflection occurs. The intensity of the reflected light is digitally recorded for s and p polarized beams. The ratio of these two data frames, computed pixel by pixel, leads to the refractive index for each pixel of the data frame. An imaging arrangement is incorporated in the device to have a 1:1 correspondence between the fiber preform and its digital image. The salient features of the technique are (i) refractive index is measured independent the thickness of the sample (ii) the proposed device is simple and low cost.

No. of Pages : 9 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031008116 A

(19) INDIA

(22) Date of filing of Application :26/02/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SYSTEM FOR OPENING AND CLOSING OF SIDE DOOR OF RAIL WAGON

(51)

International :F02D0041000000,E05F0005000000,B61D0019000000,B61D0009060000,E05F0001160000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

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Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

A system for opening and closing of side door of rail wagon Abstract This invention relates to a system for opening and closing of side door of rail wagon and in particular, this invention relates to a system for opening and closing of side door of rail wagon which is battery operated Hydraulic system. This invention relates to a system for opening and closing of side door of rail wagon which is fixed on top of fork of battery Operated Pallet Truck for movement. Furthermore, this invention also relates to a system for opening and closing of side door of rail wagon which has the beneficial effects of having saving manpower cost, reducing labor intensity, and having safety and reliability and the transportation economic benefits can be increased.

No. of Pages : 23 No. of Claims : 8

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/03/2020

(21) Application  
No.202031008850 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : TRANSIENT HEAT TRANSFER OBSERVATION APPARATUS (THTOA)

(51) International :G01N0025720000,G01N0025180000,A43B0013180000,D21F0005020000,G09B0005000000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)DEEPAK KUMAR SAMAL</b> Address of Applicant :Dept. of Chemical Engg. GIET University Gunupur Gunupur, Rayagada, Odisha, India 765022 Orissa India <b>2)SHAKTI PRASANNA KHADANGA</b> <b>3)GOPENDRA KISHORE ROY</b> <b>4)BHIM CHARAN MEICAP</b> (72)Name of Inventor : <b>1)DEEPAK KUMAR SAMAL</b> <b>2)SHAKTI PRASANNA KHADANGA</b> <b>3)GOPENDRA KISHORE ROY</b> <b>4)BHIM CHARAN MEICAP</b>
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(57) Abstract :

This invention relates to a TRANSIENT HEAT TRANSFER OBSERVATION APPARATUS (THTOA). Transient heat transfer study is based on magnitude of internal and external resistances of the system. External resistance to the heat flow is controlled by the addition of different material like thermocol, air and water in THTOA. The TRANSIENT HEAT TRANSFER OBSERVATION APPARATUS (THTOA) with a maximum of 10% deviation gives a better result over theoretically developed for transient heat transfer. The apparatus invented can give the experimental result which can be compared with the theoretical results on temperature profile in case of transient heat transfer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031008991  
A

(19) INDIA

(22) Date of filing of Application :03/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : THERMAL ENCODING USING SHAPE MEMORY ALLOY(TESMA)

(51)

International :F03G0007060000,F16K0099000000,B41J0002140000,B29C0061060000,G02B0007020000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

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No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

**ABSTRACT** It is a noble system which explores the dual capabilities of a digital system and a Shape Memory Alloy to provide a unique security that is difficult to hack and is robust enough to provide a tougher level of security than the existing digital or mechanical locking devices. In a nutshell, the system comprises of 3 key modules namely, Code Generator, Splitter and the Shaper. The Code generator module works as an interface for the user interaction to set and enter a desired pass code. The pass code is then translated to a temperature using a proprietary algorithm to produce information about one or multiple temperatures (later on to be compared with SMA) and then passed through the Splitter module. The Shaper module reverse engineers the properties of a pre-trained shape memory alloy while it is heated to derive a mechanical temperature which triggers the effect of the very SMA at a specific point. The system validates the temperatures from both the Code Generator (digital) and Shaper (mechanical) and the Splitter compares for equality and thus allowing to unlock only if it passes the verification test. This opens up a completely unique way of security device based on a combination digital and mechanical priorities never ever done before in the world. It has the potential to be used in high value security areas e.g. Defense and Banking to provide a higher level of protection of access rights.

No. of Pages : 9 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031009070 A

(19) INDIA

(22) Date of filing of Application :03/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : MEDIA COMPOSITION FOR HIGH YIELD OF PLEUROTUS OSTREATUS

(51)  
International :C09D0129040000,A61K0009140000,G11B0027340000,C02F0003100000,G06F0016280000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
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Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
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**SUNDAR PANJA**

(57) Abstract :

The present invention relates to a media composition for high yield of Pleurotus Ostreatus. More particularly, the present invention relates to the media composition for high yield of good quality Pleurotus Ostreatus. Moreover this invention relates to the media composition for high yield of Pleurotus Ostreatus which is higher in nutraceutical agent. This invention relates to the media composition for high yield of Pleurotus Ostreatus which is scientific, environmentally friendly and free of pollution to environment.

No. of Pages : 13 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031009071 A

(19) INDIA

(22) Date of filing of Application :03/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SOLUBLE CALCIUM RICH ORGANIC FERTILIZER

(51)

International :C05F001700000,C10J0003720000,C07C0017380000,C02F0001240000,C12P0005020000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

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Date

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International : NA  
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No

(61) Patent  
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Application :NA  
Number :NA

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Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

The present invention relates to an organic fertilizer. More particularly, the present invention relates to the calcium rich organic fertilizer. Moreover this invention relates to the organic fertilizer wherein the calcium is obtained from oyster shell. This invention relates to the process of preparing the organic fertilizer which has the characteristics of cost effective and fertilizer can effectively ensure the integrity and the production cost is reduced, and no pollution is caused.

No. of Pages : 13 No. of Claims : 6

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/03/2020

(21) Application  
No.202031009159 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : GESTURAL CONTROL BASED MULTIMODAL AND HYBRID WHEELCHAIR

(51) International :A61G0005100000,A61G0005120000,G06F0003010000,G06F0003048800,A61G0005060000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)Dr. ALOK KUMAR MOHAPATRA</b> Address of Applicant :Professor and Head, Department of Mechanical Engineering, Gandhi Institute For Technology (GIFT), Bhubaneswar Odisha India Orissa India (72)Name of Inventor : <b>1)Dr. ALOK KUMAR MOHAPATRA</b> <b>2)Dr. NABNIT PANIGRAHI</b> <b>3)Dr. RAVI NARAYAN PANDA</b> <b>4)Dr. SUVENDU PRASAD SAHU</b>
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(57) Abstract :

A gestural control based multimodal and hybrid wheelchair includes an interface section, a sensor section, and a power section. The interface section includes a navigation and tracking device, a touch screen, a camera, and emergency button. The navigation and tracking device avoids collision with an obstacle during navigation of the wheelchair through a pre-stored trajectory and monitors a tracking route of the wheelchair. The touch screen facilitates a user to visualize an in-built instruction menu while operating the wheelchair. The camera determines an obstacle and presents a path guidance for appropriate navigation of the wheelchair. The emergency button facilitates the user to avert an accidental event. The sensor section includes a motion sensor to detect the speed of the wheelchair. The ultrasonic sensor determines the distance of objects present in the proximity of the wheelchair. The power section includes a solar panel that extracts renewable energy from a renewable source. The most illustrative drawing: FIG. 1.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/03/2020

(21) Application  
No.202031009277 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN IOT BASED REAL TIME PORTABLE WATER QUALITY MONITORING SYSTEM

(51) International :G01N0033180000,A61B000500000,H04Q000900000,C02F000100000,H04W0004020000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)INDRAJIT BANERJEE</b> Address of Applicant :Dept. of Information Technology, IEST Shibpur, Botanic Garden, Dist.- Howrah, WB, India- 711103 West Bengal India <b>2)SWAPAN SHAKHARI</b> <b>3)CHINMOY GHORAI</b> <b>4)ARPAN SEN</b> (72)Name of Inventor : <b>1)INDRAJIT BANERJEE</b> <b>2)SWAPAN SHAKHARI</b> <b>3)CHINMOY GHORAI</b> <b>4)ARPAN SEN</b>
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(57) Abstract :

An IoT based real-time portable water quality monitoring system comprising: a local monitoring unit (114) configured to measure physical parameter of water and generate corresponding measurement data of said measured physical parameter; a location detection device to detect a global position of said local monitoring unit and produce location information of said local monitoring unit; and a local storage unit (111) configured to save the measured data by the local monitoring unit (114); a transmitting unit (113) configured to transmit said measurement data together with said location information to a central server (201); a remote monitoring unit (202) for monitoring the measured data through remote login. The said system for monitoring water quality comprising said local monitoring unit configured at the evaluation point of distributed water supply system comprising a main processor (110) and a central server unit (201) configured to save and produce the water quality data remotely by the transmitting unit.

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031009304 A

(19) INDIA

(22) Date of filing of Application :04/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ECO-FRIENDLY AND ENERGY-EFFICIENT LPG COOKING STOVE WITH NATURALLY-ASPIRATED POROUS RADIANT BURNER FOR COMMERCIAL KITCHENS.

(51)  
International :F23D0014120000,F24C0015200000,F23D0014820000,F23D0014640000,F23D0014160000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
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International  
Application :NA  
No :NA  
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Date  
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International : NA  
Publication  
No  
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Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
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(57) Abstract :

ABSTRACT TITLE: ECO-FRIENDLY AND ENERGY-EFFICIENT LPG COOKING STOVE WITH NATURALLY-ASPIRATED POROUS RADIANT BURNER FOR COMMERCIAL KITCHENS. A LPG cooking stove (1) with energy-efficient and eco-friendly two-layered porous radiant burners is disclosed for application in commercial kitchens using unreduce LPG cooking pressure regulator (2) supplying LPG to an orifice (3) centrally located at the bottom of slots (5, 6) of the mixing tube (4) attached to the burner casing (8) by the mixing tube connector (7). Burner casing (8) houses a two-layered PRB that contains an Al<sub>2</sub>O<sub>3</sub> porous matrix PZ (9) as the bottom layer and SiC foam CZ (10) at the top layer. LPG coming from the orifice (3) entrains air through slots (5, 6) and gets partially mixed in the mixing tube, which then enters the PZ as a homogenous mixture. An igniter initiates combustion at the top surface of the CZ. A partially submerged mode of operation is established without flashback and any external source of air in the entire input power range of 5 - 7 kW with high thermal efficiency and low emissions. (Figure 1)

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031009356 A

(19) INDIA

(22) Date of filing of Application :04/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ENERGY EFFICIENT AND ECO-FRIENDLY DOMESTIC LPG COOKING STOVE WITH A TWO-LAYER POROUS RADIANT BURNER

(51)  
International :F23D0014820000,F23D0014160000,F24C0003040000,F23D0014120000,F23G0007060000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
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Application :NA  
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Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

An energy efficient and eco-friendly domestic LPG cooking stove with a two-layer porous radiant burner (1) comprising of a pressure regulator (2) supplying LPG at 30mbar gauge pressure through an orifice (3) centrally located at the bottom of slots (5, 6) of the mixing tube (4) attached to the burner casing (8) by the mixing tube connector (7). Burner casing (8) contains preheating zone (PZ) (9) and combustion zone (CZ) (10). LPG coming from the orifice (3) entrains air through slots (5, 6) and gets partially mixed in the mixing tube, which then moves to the mixing tube connector and a homogenous mixture enters PZ. Combustion initiated by an igniter at the top surface of CZ spreads throughout CZ. The PZ preheatsthe LPG-air mixture below ignition temperature, and combustion starts at the interface of PZ and CZ. A partially submerged mode of operation is established without flashback and combustion does not propagate through PZ, and thus stove is free from any flashback, and for its operation in the entire power range (1-3 kW), it does not require air from any external means. Improved heat transfer owing to radiation and conduction combined with convection provides high thermal efficiency and low emissions.

No. of Pages : 17 No. of Claims : 10

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/03/2020

(21) Application  
No.202031009562 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : BLOCKCHAIN-BASED SYSTEM AND METHOD FOR PROVIDING A PLATFORM FOR MANAGING BLOOD BANKS

(51)

International :G06Q0030060000,G06Q0020380000,A61B0005145000,G06F0016510000,H04W0008180000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

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International : NA  
Publication No

(61) Patent  
of Addition

to  
Application :NA  
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Filing

Date

(62)  
Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A blockchain-based system and method for providing a platform for managing blood banks and establishing existing communication between the blood banks. The system includes a database, connection module, regulator module, order module, a search module, and a command module. The database stores information associated with registered blood donors and blood banks. The connection module connects each of the blood banks. The regulator module facilitates an administrator to monitor and regulate the platform. The order module facilitates a user to place an order for the blood. The search module identifies and displays the availability of the blood in the blood bank nearest to the location of the user. The command module initiates a command to search the next set of a blood bank and the registered blood donors for immediate delivery of the blood on determining that the blood is not available in the blood bank. The most illustrative drawing: FIG. 2.

No. of Pages : 27 No. of Claims : 6

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031009671 A

(19) INDIA

(22) Date of filing of Application :06/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEM & METHOD FOR PUBLISHING MEDIA OVER A COMMUNICATION CHANNEL

(51)  
International :H04L0029060000,G06Q0050000000,H04N0021218700,H04N0021610000,H04N0021240000  
classification  
(31) Priority  
Document :NA  
No

Date  
(33) Name  
of priority :NA  
country  
(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

A dynamic streaming system for publishing live audio video media over a communication channel; the method comprising: at least one processor; and a memory storing instructions executable by the at least one processor, wherein the instructions configure the at least one processor to: receive the live audio video media/feed from audio visual device; determine bandwidth available over the communication channel; execute at least one of transcoding bit rate of the audio video media/feed or segmenting the audio video media based on the bandwidth available over the communication channel or both; combine the transcoding bit rate of audio video media posting; and publish the live audio video media/feed over the communication channel. Figure. 1

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031009943 A

(19) INDIA

(22) Date of filing of Application :08/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : PRE-MIX COMPOSITION OF RAGI BASED CAKE AND THE CAKE THEREOF

(51)  
International :A21D0013040000,A23L0033200000,A23L0033100000,A21D0002360000,A23K0050400000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

The present invention relates to the field of Food Science and Technology, particularly, it deals with the development of a pre-mix composition for preparing two pleasant, highly nutritious, specific calorie, and easily digestible ragi-based cakes(Finger millet cakes) comprising of Ragi-flour, wheat flour, oil, sugar or jaggery, skimmed milk/milk powder, dry fruits, nuts, baking powder and baking soda. The two varieties of cakes include, one with calorie sold at par in the market meant for all categories of people irrespective of physiological conditions such as for growing children, adolescent girls, pregnant and lactating mother and the other with low calorie acceptable to the elderly people and people suffering from hypertension, obesity, diabetes, and cardiac problems.

No. of Pages : 14 No. of Claims : 3

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031010800  
A

(19) INDIA

(22) Date of filing of Application :13/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : POLISHING ATTACHMENTS ON CONVENTIONAL LATHE MACHINE

(51)

International :B23B0029240000,B23B0043000000,B23B0003160000,B23B0003260000,G05G0005040000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

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(61) Patent

of Addition

to

Application :NA

Number :NA

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Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

**TITLE:** POLISHING ATTACHMENTS ON CONVENTIONAL LATHE MACHINE **Abstract:** Disclosed herein are polishing attachments that can be mounted on conventional tool room lathe machine to cater the need of polishing samples for tribological tests as per ASTM G99 standard and metallographic analysis as an alternate to metallographic polishing machine with benefits such as low cost and no maintenance. It comprises of three units viz. sand paper mounting unit (001), sample mounting unit-1 (002) and sample mounting unit-2 (003). Sand paper mounting unit (001) consist of a circular shank (101) and a sand paper mounting disc (102) over which sand paper (100) is attached by virtue of circular clamp (103). The circular shank (101) and the sand paper mounting disc (102) are assembled by means of dovetail joint (101A and 102A), strap clamp (105) and screw (106). This whole assembly is held in lathe chuck (004) of lathe headstock to be able to rotate about the lathe axis with the sand paper (100) facing outward. Sample mounting unit-1 (002) consist of a fixture (202) where the sample to be polished is fixed by virtue of knobs (202B). The fixture (202) is assembled with a square shank (201) by means of dovetail joint (201A and 202C) and strap clamp (203) and screw (204). This unit is fixed on the lathe tool post (005) with the sample facing towards the sand paper (100) present in sand paper mounting unit (001). The contact between the sand paper face (100) and sample (200) face is maintained by sliding action of the lathe tool post (005). Finally, a sample mounting unit-2 (003) consist of drill chuck (301) which holds the phenolic resin mount (302) where the sample (300) is stuck. This attachment is mounted onto the lathe tailstock (007). The contact between the sand paper (100) and sample (300) face is maintained by sliding action of lathe tailstock (007). Here, the sample mounting unit-1 (002) can cater tribological samples as per ASTM G99 standard (between 30 mm to 100 mm diameter) whereas the sample mounting unit-2 (003) can accommodate smaller samples (between 5 mm to 10 mm) of any shape. Furthermore, to obtain mirror like or glassy finish, sand paper (100) in the sand paper mounting unit (001) can be replaced with a velvet cloth with diamond paste stuck onto it. The atomic force microscopy (AFM) reveals the surface roughness of sample (200) and sample (300) after trail out to be 2  $\mu\text{m}$  and 0.4  $\mu\text{m}$  respectively. **Keywords:** Polishing attachment, lathe machine, tribology, metalgraphy, surface roughness, polishing

No. of Pages : 26 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/03/2020

(21) Application  
No.202031011148 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : RATE OF STEAM CONDENSATION OBSERVATION APPARATUS (RSCOA)

(51)  
International :G01S0007520000,G02B0023240000,H01M0008066200,C12M0001340000,G02B002100000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country

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International  
Application :NA  
No :NA  
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Date  
(87)  
International : NA  
Publication

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(61) Patent  
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to  
Application :NA  
Number :NA  
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Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

Abstract This invention relates to a RATE OF STEAM CONDENSATION OBSERVATION APPARATUS (RSCOA). Rate of steam condensation under atmospheric condition is being studied on the basis of surface characteristics of the heat transfer surface. Metallic cylindrical pipes are used for the condensation process. Various surface conditions based on roughness are used for observing the phenomena. Driving potential for the condensation process is facilitated by water cooling arrangement. Study of film-wise and drop-wise condensations are carried out by comparing the amount of collected condensate from individual surfaces. Also the impact of surface area is being studied with rate of condensate comparison in smooth pipe in RSCOA, as it is more in case of large surface area. The RSCOA with a maximum of 10% deviation gives a better result over theoretical value on rate of condensation. The RSCOA Trend Line Plot can be analyzed for better understanding of the condensation phenomena with the impact of surface characteristics. The apparatus invented can give the experimental result which can be compared for the analysis of surface impact on film and drop-wise condensation phenomena.

No. of Pages : 17 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application  
No.202031013658 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR REAL TIME MONITORING AND PREDICTING HEART HEALTH PERFORMANCE

(51)

International :A61B0005110000,A61B0005000000,G01N0033500000,G05B0023020000,A61B0005046400  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

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Publication : NA

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(61) Patent  
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Application :NA  
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Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention is related to a system and method for real time monitoring and predicting heart health performance. The principal objective of the present invention to solve the inadequacies in prior art related technologies and design of system for real time monitoring and predicting human heart health performance. The present system and method is used for detecting heart routine, description and irregularity herein. The system and method examine and illustrate cardiac current condition by electrophysiological signals that assist to analysis of arrhythmias in advance of a heart failure.

No. of Pages : 30 No. of Claims : 6

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031014381 A

(19) INDIA

(22) Date of filing of Application :31/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A FRAMEWORK FOR RELIABILITY& PERFORMANCE ANALYSIS OF SAFETY-CRITICAL SYSTEM USING STOCHASTIC MODELING

(51)  
International :H04L0029060000,G06F0017500000,H04W0012060000,E21B0043120000,H01L0029660000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
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Date

(87)  
International : NA  
Publication No  
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of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(57) Abstract :

The present invention is related to a framework for reliability & performance analysis of safety-critical system using stochastic modeling. The objective of present invention is to solve the anomalies presented in the prior 15 art techniques related to design of system for reliability & performance analysis of safety-critical system using stochastic modeling.

No. of Pages : 28 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application  
No.202031014464 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : DEVELOPMENT OF A NEW TECHNIQUE FOR HARMLESS ELECTRIC FISHING

(51)  
International :A01K0079020000,A61N0001200000,A01K0075000000,C12N0013000000,A01K0079000000  
classification  
(31) Priority  
Document :NA  
No

No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA  
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Date  
(87)  
International : NA  
Publication  
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(61) Patent  
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Application :NA  
Number :NA  
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Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

The present invention discloses a system of electric fishing gear in order to prevent the incidences of injury of fish, like bent vertebral column, fractured vertebrae and haemorrhaging due to ruptured arteries and veins during electric fishing. In the preferred embodiment, sub-threshold values of current intensities for attracting fish towards positive electrode (PE) and finally to take refuge in a trap net pouch (2), placed behind (PE) where no electric field exists, is designed, developed and tested in small and big glass tanks (T). Multiple (Nine) varieties of common Indian freshwater fish are tested during the experiments and 51100% fish is captured unharmed by using sub-threshold electric stimulation for the desired results. Pulsed direct current (PDC) is found better than direct current (DC), among which low PDC of 3 Hz is found still superior to stimulate fish and prawn for anodic attraction and capture in trap nets. None of the test fishes suffered any physical injury by the preferred embodiment of fish capture by electrical intervention.

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031014705 A

(19) INDIA

(22) Date of filing of Application :02/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR DESIGNING DYNAMIC FRAMEWORK FOR TUNING SVM HYPER PARAMETERS BASED ON MOTH-FLAME OPTIMIZATION AND KNOWLEDGE-BASED-SEARCH

(51) International :G06F0017500000,G06N0020000000,B61L0027000000,H04W0072020000,H01J0029480000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)Dhruba Jyoti Kalita</b> Address of Applicant :Assistant Professor, GCE, Sri Krishna Nagar, Gaya, Bihar-823003, India Bihar India <b>2)Vibhav Prakash</b> <b>Singh</b> <b>3)Vinay Kumar</b> (72)Name of Inventor : <b>1)Dhruba Jyoti Kalita</b> <b>2)Vibhav Prakash</b> <b>Singh</b> <b>3)Vinay Kumar</b>
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(57) Abstract :

Present invention is related to a method for designing dynamic framework for tuning Support Vector Machine (SVM) hyper parameters based on moth-flame optimization and knowledge-based-search. The objective of the present invention to solve problems and adequacies in the prior art related to design dynamic framework for tuning SVM hyper parameters.

No. of Pages : 30 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application  
No.202031014831 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : ENERGY EFFICIENT MONITORING OF MENTALLY CHALLENGED PEOPLE USING WIRELESS SENSOR NETWORKS

(51)

International :G06Q0030020000,G09B0019000000,A61B0005000000,G08B0021040000,G06N0003000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

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Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to  
Application :NA  
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Filing

Date

(57) Abstract :

This invention is based on the monitoring on day today activities of a mentally challenged people by checking their heartbeat, blood pressure ,sugar liver,function,thyroid these are sensed by the sensor and the value is given to the master node and the master node will send the detail to source node with help of desktop it is monitor by a human being. Then another aspect we are checking their emotion like happiness, sadness, hope, gratitude, satisfaction for these emotions. we are using biological sensor to find out theses emotions. If the patient is in not in good stabilize stage it will lead a various health condition hypertension, diabetes, obesity and so on. if we do not monitor the patient, the patient may unstable and he or she may be involved in violence to maintain the patient inner peace and the environment to make happy. So the patient may be easily recovered from this problem.so we are going to monitor the patient three sixty-five days with this senor output and with their old data. By taking an old data with the doctor prescription and his or her lifestyle and their routine of their before life history. In their past life what are the things happen in their life and the which are the things are affected in them to the person true hearted.so we are going to take all these analysis with that we are going to predict their mental health as with physical health. And we have statistic graph to update their day today status of each and every person data. And with that doctor may come to know their complete data of them in their day to day life of their every single mill second. We have emergency alarm if incase of patient get hyper violence or getting any unknow work done by patient so we can easily identify them. We have geographical sensor to identify a patient he or she is in indoor or outdoor means inside the room or outside the room some ware. We have unknow activity sensor module it will notify the sudden changes in the patient.

No. of Pages : 17 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/04/2020

(21) Application  
No.202031015375 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AUTO EMERGENCY VEHICLE RESPONSE AND TRACKING SYSTEM

(51)

International :G08G0001096500,G08B0021020000,G08G0001000000,H04M0011040000,A61G000300000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present provides a system or method for automatic emergency vehicle response and tracking also called as AVERTS, such system will act as a lifesaver and alerting system for human being. It establishes the communication between the emergency sensing devices such as accident, crime, fire and health monitoring sensors etc. This also provides mobile application for automatic or manual calling for an emergency response team or services such as ambulance, police control room and fire station by using the AVERTS (automatic emergency vehicle response and tracking system). The AVERTS is comprising of hardware module, graphical user interface with analytical capabilities and the IoT (Internet of things) platform.

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031015951 A

(19) INDIA

(22) Date of filing of Application :13/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR PROVIDING INTERNET USER CLASSIFICATION & RECOMMENDATION  
BASED ON THE INTERNET ACTIVITIES USING NEURAL-NETWORK

(51)

International :G06Q0030060000,G06Q0030020000,G06F0009480000,A61K0038160000,G06N0005000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

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(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

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(57) Abstract :

The present invention related to a method for providing internet user classification & recommendation based on the internet activities using neural-network. The objective of the present invention is to solve the problems in the prior art related to adequacies in the design of the techniques and technologies in the internet user classification & product and service recommendation based on the internet activities.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202031016205 A

(19) INDIA

(22) Date of filing of Application :15/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR THE ENHANCEMENT OF OXIDATIVE STABILITY AND COLD-FLOW PROPERTIES OF BIODIESEL

(51)

International :C10L0001020000,C11C0003000000,C11B0007000000,C10L0001190000,C10L0001140000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

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(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A method for simultaneously enhancing the cold-flow properties and oxidative stability of biodiesel derived from Karanja (Pongamia pinnata) oil, comprising the steps of transesterification of Karanja oil to its biodiesel, characterization of its fuel properties, and improvement of its cold-flow properties and stability by means of combined treatment of winterization and use of natural antioxidant sourced from the stem of T. cordifolia; facilitating the selective removal of methyl esters responsible for the high cloud and pour point of the fuel by the process of winterization; recovering the phenolic constituents of the stem of T. cordifolia by using aqueous methanol as the extraction solvent; optimizing the method to determine the most appropriate condition (in terms of the amount of water in methanol, extraction temperature and extraction time) by response surface methodology; adding different concentrations of stem extract to the winterized fuel; determining the stability of the fuel by biodiesel Rancimat; and yielding fuel of superior cold-flow properties and enhanced stability by the combined treatment (winterization and plant-based antioxidants). Ref: Figure 1

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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/04/2020

(21) Application  
No.202031016741 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD FOR MONITORING PERSON FOR DETECTION OF POSSIBILITY OF CORONA INFECTION

(51)

International :A61G0007057000,G06K0009000000,H04N0007180000,B61L0027000000,A61G0007050000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication : NA  
No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention related to a method for monitoring person for detection of possibility of corona infection. The objective of the present invention is to solve the problems in the prior art related to adequacies in the in techniques and technologies in the monitoring of a person in scenario of spread of infectious disease.

No. of Pages : 22 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/04/2020

(21) Application No.202031017793 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : A NOVEL IOT BASED MANUFACTURING OF ORGANIC FERTILIZERS FOR SUSTAINABLE FARMING

(51)

International :A01C002100000,C05F001700000,C05G000300000,G06Q0050020000,A01G0007020000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Pedalling to Integrated approach for Sustainable Agriculture & Allied Science/ addressing local problems of farmers through an active field of research & extension activities with adequate solutions, A Novel IoT based sustainable manufacturing of organic fertilizer can inhibit crop growth, increase allergenic pollen production. Surplus nitrogen consumed during crop fertilisation can cause the release of greenhouse gases such as nitrous oxide and carbon dioxide into the atmosphere. The main ingredients of organic fertilizer consist of cattle Sade urine & cow dung mixture fig(1),wastewater release from urinals; kitchen rooms form the domestic house and green leaves. An automatic sluice-controlled valve fig (1) fitted with a temporary reservoir fig (1) to allow all ingredients and a central storage container fig (1) is fitted with an automatic D.C drive fig (1) stirring device. Mobile App fig (1) to monitor the sensors fig (1)for maeasuring the Nitrogen, phosphorous, potash and pulsative pump fig (1) set operated by farmer sitting at home. The system is sustainable as solar panel fig (1) is fitted for complete power supply to all utilities .

No. of Pages : 13 No. of Claims : 6

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/04/2020

(21) Application  
No.202031018293 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : MEDICATED SKIN PATCH, USE AND METHOD OF MAKING THEREOF

(51) International classification :A61K0009700000,A61K0047320000,A61K0047120000,A61K0045060000,A61K0031352000

0

(31) Priority Document No

:NA

No

(32) Priority Date

:NA

(33) Name

of priority :NA

country

(86)

International Application No

:NA

Filing Date

(87)

International Publication No

:NA

No

(61) Patent of Addition to

Application Number

:NA

Filing Date

(62)

Divisional to Application Number

:NA

Filing Date

(57) Abstract :

The present invention provides transdermal delivery devices (e.g. medicated skin patches) configured to deliver a therapeutically effective amount of quercetin to a subject diagnosed as having DPTB. The medicated skin patch comprises a backing layer; a matrix layer comprising a composition, wherein the composition comprises quercetin or a pharmaceutically acceptable salt or a stereoisomer thereof, PVP, a polymer, and a plasticizer; and a release liner. In practicing methods according to certain embodiments, a medicated skin patch having a matrix, layer-by-layer three-dimensionally printed from extruded biofilaments through hot-melt extrusion, comprising the composition of quercetin or a pharmaceutically acceptable salt or a stereoisomer thereof, PVP, a polymer, and a plasticizer is applied to a subject and is maintained in contact with the subject in a manner sufficient to deliver a therapeutically effective amount of quercetin to treat DPTB in the subject.

No. of Pages : 46 No. of Claims : 12

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/03/2020

(21) Application  
No.202033013760 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD OF DETECTION AND QUANTIFICATION OF ALBUMIN PROTEIN

(51)  
International :G01N0021640000,G01N0033580000,G01N0033680000,G01N0033500000,A61K0038380000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition  
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Application :  
Number :01/01/1900

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(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
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(57) Abstract :

Method of Detection and Quantification of albumin Protein The present invention provides a new method for determination of albumin that doesn't suffer from the disadvantages of existing methods. In the present invention sensitive albumin assay is achieved by means of an appropriate fluorometric determination. The present invention is based on use of class of naphthalene-sulfonic dyes to detect and quantify albumin from the any test samples. In the present invention, the dye in presence of albumin upon excitation with wavelength of near UV light (340-410 nm) emits fluorescence of blue-green light (range of analysis: 400nm-600nm with maximum emission at 480nm). It has broad range of detection capability from 0-3000mg/L. This broad range is ideal for laboratory experimentation purpose as well as analysis in other specimens, like egg, milk and urine.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/02/2020

(21) Application No.202037005751 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PILE CONSTRUCTION METHOD, MANIFOLD DEVICE, AND MANIFOLD DEVICE DESIGN METHOD

(51) International classification	:E02D 7/26,E02D 5/04,E02D 5/28,E02D 7/18,E02D 7/24	(71) <b>Name of Applicant :</b> 1)CHOWA KOGYO CO., LTD. Address of Applicant :1-6-4, Osaki, Shinagawa-ku, Tokyo 1410032 Japan
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(32) Priority Date	:28/09/2017	(72) <b>Name of Inventor :</b>
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(86) International Application No	:PCT/JP2018/035735	2)SUZUKI Yukichi
Filing Date	:26/09/2018	3)KITAMURA Takuya
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(61) Patent of Addition to Application Number	:NA	5)KATO Tsutomu
Filing Date	:NA	6)OHMORI Takamitsu
(62) Divisional to Application Number	:NA	7)MOROHASHI Yohei
Filing Date	:NA	8)MORIYASU Shunsuke
		9)KUBOTA Kazuo
		10)TAKENO Masakazu

(57) Abstract :

The purpose of the invention is to provide a pile construction method that can reliably improve pile bearing capacity. Provided is a pile construction method comprising a step of driving a pile by applying vibration with a vibratory hammer while injecting a high-pressure fluid into the ground, wherein one or more high-pressure fluid delivery devices and a manifold device having a cylindrical inner space are disposed, the one or more high-pressure fluid delivery devices are respectively connected to one or more injection holes in the manifold device, and a plurality of discharge holes in the manifold device are respectively connected to a plurality of jet pipe members. With the inner space of the manifold device filled with the high-pressure fluid, the high-pressure fluid is discharged from each of the plurality of discharge holes and, in terms of the discharge rates of the high-pressure fluid discharged from each of the plurality of discharge holes, the difference between the maximum discharge rate and the minimum discharge rate is no more than 5% of the maximum discharge rate.

No. of Pages : 53 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/02/2020

(21) Application No.202037006240 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : WATER-COLLECTION DISPENSER AND CORRECTION METHOD THEREFOR

(51) International classification	:G01F 13/00
(31) Priority Document No	:2017-144488
(32) Priority Date	:26/07/2017
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2018/016629
Filing Date	:24/04/2018
(87) International Publication No	:WO 2019/021556
(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 :

This water-collection dispenser has a flow rate adjustment valve and flow rate sensor that are provided in series, and the water-collection dispenser carries out a first process in which the flow rate adjustment valve is opened until the volume detected by the flow rate sensor reaches a first volume and a second process in which the flow rate adjustment valve is opened until the volume detected by the flow rate sensor reaches a second volume. Two parameters for specifying a first-order equation expressing the relationship between a flow rate sensor detection result and a corrected volume are calculated on the basis of the first volume, second volume, the actual water collected in the first process, and the actual water collected in the second process. When a fixed quantity of water is collected, the detection results of the flow rate sensor are corrected on the basis of the two parameters.

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

## **Publication After 18 Months:**

**The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. Any Person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act, 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811042125 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : A METHOD TO REDUCE IN VIVO THROMBUS FORMATION USING MANNOSE 2,3,4,5,6-O-PENTASULFATE AS A NOVEL ANTITHROMBOTIC AGENT.

(51)  
International :G01N0033860000,A61K0031715000,A23L0005200000,A61K0033380000,C12Q0001560000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)

International  
Application :NA  
No :NA  
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(87)  
International : NA  
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No  
(61) Patent  
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to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
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(57) Abstract :

The present invention deals with the method of reducing thrombus development by use of a novel synthetic/polysulfated compound, Mannose 2,3,4,5,6-O-pentasulfate (MPS) as a potential antithrombotic agent. This study is involved in the synthesis and structural characterization of MPS followed by assessment of its antithrombotic potential. Sulfation was achieved by conjugation of sulfate moieties with the monosaccharide, mannose using triethylamine-sulfur trioxide adduct in dimethylacetamide (DMA). The in vitro anticoagulant action was evaluated by determining the clotting times in the presence and absence of MPS using human plasma collected from healthy donors without any history of bleeding or thrombosis. Activated partial thromboplastin time (APTT) and prothrombin time (PT) was performed as an assessment of the intrinsic and extrinsic blood coagulation pathways respectively, whereas thrombin time (TT) was done to monitor the conversion of fibrinogen to fibrin in the presence and absence of MPS. APTT and PT were prolonged two-fold in the presence of MPS at a concentration of 1mM, whereas TT was marginally decreased; however, mannose did not show any significant effect up to 10mM. The in vivo antithrombotic effect of MPS at a low dose (5mg/kg body weight of rat model) demonstrated that intravenous administration of MPS significantly reduced thrombus formation in flow restriction induced rat model of venous thrombosis. Further, monitoring of clotting times in the plasma isolated from rats infused with MPS prior to thrombus formation showed delayed APTT and PT in comparison to buffer (control) and mannose (non-sulfated) injected rats. Overall, the results indicated the potential of MPS in modulating coagulation both in vitro and in vivo.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2018

(21) Application  
No.201811042151 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : PROCESS OF PRODUCING A FIBROUS STRUCTURE FOR BOTH ACOUSTIC ABSORPTION AND ACOUSTIC INSULATION FROM NON THERMOPLASTIC FIBRES

(51)

International :B29C0043520000,G10K0011162000,G10K0011168000,D06M0011710000,D04H0001700000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a process for preparation of a fibrous structure for sound absorption and insulation. Particularly, it relates to a process for preparation of a single layer fibrous structure from non-thermoplastic fibers and having a gradient of compactness across their thickness. The process employs non-thermoplastic structures or fibers which cannot be processed using a carding process as the raw structures, is simple, fast, involves few steps, cheap and environmentally friendly technique and produces a fibrous structure which provides both sound absorption as well as sound insulation, does not have multiple layers or use of adhesive/binders to bind any layers.



No. of Pages : 23 No. of Claims : 19

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042159 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A PROCESS FOR DISPERSING METALLIC NANOPARTICLES ON A TEMPLATE SURFACE

(51)

International :B82Y0040000000,G03F0009000000,B82Y0010000000,H01L0031068000,G03F0007000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
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(86)

International  
Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

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of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A process for dispersing one or more metallic nanoparticles on a template surface is disclosed. The process includes preparing the template surface of a porous gel material, wherein the template substrate includes a rough surface. The process also includes soaking a prepared template surface with a solution of one or more metallic salts. The process further includes drying a soaked template surface to achieve predefined salt concentration. The process further includes pouring a cross-linkable polymer mixed with a crosslinking agent in a predetermined ratio on a salted template surface. The process further includes dispersing the one or more metallic nanoparticles on the polymer surface based on crosslinking of the polymer. FIG. 1



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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2018

(21) Application  
No.201811042346 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : COMPLAINTS MANAGEMENT SYSTEM AND METHOD THEREOF

(51)  
International :G06Q0020380000,G06Q0010100000,G06Q0050180000,G06Q0010060000,H04M0003436000  
classification  
(31) Priority  
Document :NA  
No

No  
(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)

International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

A complaints management system (CMS) to manage complaints is disclosed. The system receives, in response to an input provided by a user on an Internet of Things (IoT) device, a first data packet pertaining to a complaint; generates a complaint ticket carrying at least a unique identifier associated with the complaint, allocates the complaint to an appropriate service person, determines a complaint confirmation information comprising various relevant details, transmits the complaint ticket to a second computing device of the service person and transmits the complaint confirmation information to the IoT device for display thereupon; and receives from the second computing device a complaint resolution information indicating resolution of the complaint and transmits the complaint resolution information to the IoT device for display the reupon.



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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042397 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : TESLA TURBINE WITH INSULATED DISCS

(51)

International :C12N0015113000,F25B0009000000,G06F0003041000,G10L0019000000,C09J0163000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA

No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

In the present invention the tesia turbine is made with the material which is poor heat conductor. Due to poor heat conductivity the eddy currents does not formed which was responsible for poor torque and efficiency. In the present invention these drawbacks is abolished.



No. of Pages : 8 No. of Claims : 2

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042485 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEMS AND METHODS FOR CONTROLLING A HEATING DEVICE

(51)

International :F24D0019100000,F24D0003080000,G05D0023190000,F25B0030060000,D06F0039040000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA

No :NA  
Filing

Date

(87)  
International : NA  
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(61) Patent  
of Addition

to  
Application :NA

Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA

Number :NA  
Filing

Date

(57) Abstract :

A system 100 for controlling a heating device 102 includes a furnace 104, at least one pump 106, at least one stirrer means 108, at least one interfacellO, and a controller 112. The system 100 is adapted to receive an input via the interface 110, to switch ON the heating device 102. The system further is configured to determine a status of at least one of the pump 106 and the stirrer means 108. The system 100 further comprises switching ON the heating device 102, by said controller 112, if the at least one of the pump 106 is OFF and the stirrer 108 is ON and switching OFF the heating device, if the at least one of the pump 106 is ON and the stirrer 108 is OFF. FIG. 1



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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042490 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A CATALYST SYSTEM FOR DEHYDROGENATION OF AMINES

(51)  
International :C07C0209680000,C01B0003000000,C07D0487220000,C07C0209520000,C07C0015460000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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**3)BHATIA, Anita**

(57) Abstract :

The present invention describes a catalyst system for dehydrogenation of amine to synthesize corresponding dehydrogenated compound. The dehydrogenated compound is selected from nitrile, imine or enamine. The catalyst system comprises an arylruthenium(II)dihalide dimer and hexamethylenetetramine. The present invention also provides a process for dehydrogenation of amine to synthesize corresponding dehydrogenated compound using the catalyst system under solvent reflux conditions. The dehydrogenation process of the present invention provides both alkyl nitriles and aryl nitriles, both cyclic imines and acyclic imines, and enamines in excellent yields. The dehydrogenation process avoids the use of oxidizing agent or hydrogen acceptor, and is highly selective and atom economic. Formation of hydrogen as the sole by-product suggests the possible usage of developed catalyst system in hydrogen storage.



No. of Pages : 31 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042534 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : NO2 GAS SENSOR BASED ON PLASMA POLYMERISED NANOSTRUCTURE POLYANILINE THIN FILM

(51)

International :C08G0073020000,G01N0027120000,B82Y0015000000,C08J0005180000,H01L0031029600  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention relates to nanofibrous polyaniline (PANI) thin film for detection of NO<sub>2</sub> gas. More particularly, the present invention relates to nanofibrous polyaniline thin film prepared by pulsed plasma-induced polymerization technique. The invention also relates to nanofibrous PANI thin film, having a high sensitivity factor with a fast response time.



No. of Pages : 21 No. of Claims : 7

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2018

(21) Application No.201811042595 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : AN UTTROSIDE SAPONIN BASED IMMUNE-ADJUVANT/POTENTIATOR COMPOSITION AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:C12N15/82	(71) <b>Name of Applicant :</b> <b>1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH</b> Address of Applicant :ANUSANDHAN BHAWAN, 2 RAFI MARG NEW DELHI-110001, INDIA Delhi India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)HALMUTHUR MAHABALARAO SAMPATH KUMAR</b> <b>2)BONAM SRINIVASA REDDY</b> <b>3)LANKALAPALLI RAVI SHANKAR</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

Present invention relates to a uttoside saponin based immune-adjuvant/potentiator composition useful for human and veterinary vaccines, comprising immunostimulatory molecules selected from uttoside A, uttoside B or a combination thereof and at least one antigen. It also discloses uttoside saponin based immune-adjuvant/potentiator composition is oil-in-water nano emulsion and in nanoparticulate form.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042691 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : COMPRESSION MOULDING TECHNIQUE FOR FABRICATION OF HOLLOW NOSECONE OF COMPOSITE MATERIALS

(51)

International :B22F0003000000,F16D0069020000,C08K0007060000,H04L0009000000,B32B0017060000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA

country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to composite nosecones. The present invention more particularly relates to fabrication methodology for composite nosecone by compression moulding technique and a system for the same. The present invention is applicable for carbon phenolic /carbon epoxy and glass fiber composites.



No. of Pages : 30 No. of Claims : 6

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042759 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEMS AND METHODS FOR CONFIGURING PROGRAMMABLE LOGIC DEVICES FOR DEEP LEARNING NETWORKS

(51) International :G06N0003040000,G06N0003080000,H04W0084000000,G06K0009460000,H03M0007460000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : 1)The MathWorks, Inc. Address of Applicant :3 Apple Hill Drive Natick, Massachusetts 01760, US U.S.A. (72)Name of Inventor : 1)Purshottam R. Vishwakarma 2)Wang Chen 3)Girish Venkataramani 4)Anusha Vasantala 5)Vibha Patil 6)Yuteng Zhou 7)Bharathi Yogaraj 8)Yongfeng Gu
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(57) Abstract :

Systems and methods may configure a programmable logic device to efficiently run a deep learning (DL) network. Architecture code and algorithmic code may be generated. The architecture code may define convolutional and fully connected processor cores structured to run the layers of a Deep Neural Network (DNN). The processor cores may be interconnected by a First In First Out (FIFO) memory. The architecture code may also define stride-efficient memories for implementing convolution. The algorithmic code may include configuration instructions for running the DNNs layers at the processor cores. The algorithmic code may also include a schedule for executing the configuration instructions on the processor cores, for moving network parameters to the processor cores, and for transferring outputs between the layers.



No. of Pages : 95 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application  
No.201811042777 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : JAR CONTAINER FOR A COSMETIC PRODUCT EQUIPPED WITH A REMOVABLE DIVIDER

(51)

International :B65D0077040000,A45D0034040000,A45D0040000000,A61Q0019080000,A01G0009020000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to

Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

The present invention relates to a container (10) for a cosmetic product, in particular an anti-ageing or hydration cream, the container comprising a peripheral wall (11), a bottom wall (12) and an open top (13) defining an internal space (14) intended for storing said product, characterized in that the container is further equipped with a removable divider (1) configured to divide the internal space into at least a first and second sub spaces (14a, 14b) each able to store a different product. Abstract Figure : Fig. 2



No. of Pages : 13 No. of Claims : 12

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application  
No.201811042793 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : FLIP TOP CAP FOR A COSMETIC CONTAINER, SAID CAP INTEGRATING A DETACHABLE APPLICATION TOOL

(51)

International :B65D0051240000,B65D0047080000,A45D0040000000,A45D0040240000,A45D0034040000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

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Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a flip top cap for a container, said flip top cap comprising a base portion configured to be secured to an open top of the container and a top portion movably mounted to said base portion between a closed position in which said top portion closes a dispensing or withdrawing orifice of the base portion and an open position where said top portion is away from said orifice thereby allowing access to a product contained inside the container, the flip top cap being characterized in that at least the base portion is integrally made from a thermoplastic material and integrates a detachable product application tool, such as a spatula, said detachable product application tool being made in one piece with the base portion. Figure: Fig. 1



No. of Pages : 12 No. of Claims : 11

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201811042801 A

(43) Publication Date : 15/05/2020

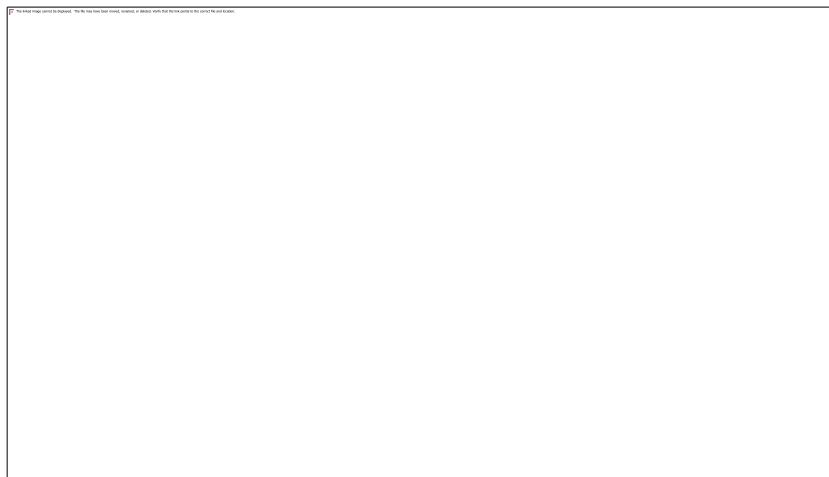
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(54) Title of the invention : A PROCESS TO DEVELOP TYPE 2 DIABETES MELLITUS IN WISTAR ALBINO RAT MIMICKED TO HUMAN PATHOLOGY

(51) International classification	:A61K	(71) <b>Name of Applicant :</b> <b>1)AMITY UNIVERSITY</b> Address of Applicant :AMITY UNIVERSITY CAMPUS, SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar Pradesh India
(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	

(57) Abstract :

The present invention relates to a novel process for development of Type 2 Diabetes Mellitus model in albino . wistar rats by using minimal dose of streptozotocin (STZ) in Double Cycle Repetitive Dose (DCRD) fashion with a combination of high fat diet (HFD). This process specifically targets at developing a chronic mechanism of diabetes in wistar albino rats with high sustainability and zero mortality rate. This mimics the humans clinical pathology of developing type 2 diabetes. This advanced methodology is to target the pancreatic damage as well as to develop diabetes associated cardio renal complications and dyslipidemic condition.



No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042871 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN IMPROVED GAS TURBINE POWER PLANT

(51)

International :F02C0007143000,F02C0007040000,F02M0035100000,F02C0007360000,F02C0001100000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a gas turbine power plant, comprising of: a compressor [1] having an air inlet [2] and an air outlet [3]; a combustion chamber [8]; and a turbine [10], characterized in that said gas turbine power plant further comprising: at least two flow path [4, 5] between ambient air [13] from atmosphere and the air inlet [2] of said compressor [1]; at least one control valve [7a, 7b] positioned in between each of the flow path [4, 5] for controlling the flow direction of ambient air [13] from atmosphere to the compressor [1]; and a heat exchanger [6] positioned in the flow path [4] between ambient air [13] from atmosphere and the air inlet [2] of said compressor [1] to absorb the heat from the ambient air [13] from atmosphere during pre-defined peak ambient temperature. Figure to be included with abstract: [Figure 1]



No. of Pages : 17 No. of Claims : 14

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application  
No.201811042884 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SYSTEM AND METHOD FOR COOLING A HOTSPOT DETECTED IN A MICROPROCESSOR

(51)

International :G06F0001200000,F01L0001240000,H04N0021472500,H04W0084120000,H04W0024000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to

Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Disclosed is a system (102) for cooling a hotspot detected in a microprocessor. A temperature monitoring module (212) monitors temperature of each core in real-time. A hotspot identification module (214) identifies a hotspot in the microprocessor based on the temperature monitored pertaining to each core. A configuration determination module (216) determines spatial coordinates indicating a location of the hotspot in the microprocessor. The configuration determination module (216) determines a cool configuration to be implemented for cooling the hotspot. A triggering module (218) enables a pumping unit, communicatively coupled with the processor, to open and close valves of one or more channels, of a plurality of channels pertaining to a layout of the microprocessor, in accordance with the cooling configuration determined. The triggering module (218) enables the pumping unit to flow coolant through the plurality of channels within the microprocessor thereby cooling the hotspot detected in the microprocessor. [To be published with Figure 1]

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No. of Pages : 32 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201811042922 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ELEVATOR

(51)

International :B66B0001460000,B66B0011000000,B66B0001340000,B66B0003000000,B66B0005000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

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Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date

(62)

Divisional to

Application :NA  
Number :NA

Filing  
Date

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3)L. Senthil Kumar

(57) Abstract :

The invention concerns an elevator and a portable user interface (7) for the elevator. The elevator comprises an elevator shaft (1) defined by the surrounding structure, a plurality of landings (2), an elevator car (3) movable in the elevator shaft (1), the elevator car adapted to transport passengers and / or cargo between the landings (2), a drive unit (4a, 4b) adapted to drive the elevator car (3), the drive unit (4a, 4b) being disposed in the elevator shaft (1), an elevator controller (5) for controlling elevator car (3) movement in accordance with service requests, the elevator controller (5) being disposed in the elevator shaft (1) and a lockable housing (6) disposed within the landing (2). The lockable housing (6) is configured for accommodating a portable user interface (7) for emergency and test operations, and for establishing a communication link (8) between the elevator controller (5) and the portable user interface (7), when the portable user interface (7) is present in the lockable housing (6). (Fig- 1)



No. of Pages : 15 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201813042080 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : WELL COMPLETION FLUID AND PROCESS FOR INHIBITING CORROSION IN OIL AND GAS WELLS

(51)

International :C09K0008540000,C09K0008520000,E21B0017100000,E21B0021060000,C08B0015000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :

Number :01/01/1900

Filed

on

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention provides for a well completion fluid with reduced corrosivity and a process of preparing the same for inhibiting corrosion in oil and gas wells. In particular, the present invention provides for well completion fluids exhibiting surprisingly low corrosivity, and enhanced stability and higher pressure tolerance at a specific gravity greater than 2.0 and less than or equal to 2.3. The higher specific gravity supports hydrostatic pressure requirements. The present invention provides for elimination of dissolved oxygen from the well completion fluid thereby making the well completion fluid less corrosive. Further, the invention provides for moderating pH of the well completion fluids thereby making the well completion fluid less acidic.

No. of Pages : 19 No. of Claims : 21

(71)Name of Applicant :  
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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201817048650 A

(19) INDIA

(22) Date of filing of Application :21/12/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : VEHICLE POSITIONING SYSTEM USING LIDAR

(51)  
International :G06K0009000000,G05D0001020000,G06T0007110000,G06T0007730000,B60K0035000000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :PCT/CN2018/114854  
No :09/11/2018  
Filing

Date  
(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Embodiments of the disclosure provide systems and methods for positioning a vehicle. The system includes a communication interface configured to receive a point cloud with respect to a scene captured by a sensor equipped on the vehicle. The system further includes a storage configured to store the point cloud and a high definition map. The system also includes a processor. The processor is configured to create a first 3-D representation of the point cloud and create a second 3-D representation of the high definition map with respect to the scene. The processor is further configured to determine pose information of the vehicle by comparing the first 3-D representation and the second 3-D representation. The processor determines a position of the vehicle based on the pose information.

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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2018

(21) Application  
No.201817049348 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHODS AND SYSTEMS FOR COLOR POINT CLOUD GENERATION

(51)

International :G06K0009620000,G01S0017890000,G06T0017000000,G06T0007700000,H04N0013282000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :PCT/CN2018/115254

No :13/11/2018

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Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Embodiments of the disclosure provide methods and systems for generating a color point cloud. The method may include receiving a point cloud and a plurality of images with respect to a scene captured by a plurality of sensors associated with a vehicle as the vehicle moves along a trajectory. The method may include segmenting the point cloud into a plurality of segments each associated with a start point and an end point on the trajectory of the vehicle. The method may also include associating each segment of the point cloud with one or more of the images based on the start point and the end point. The method may further include generating color point cloud by aggregating each segment of the point cloud and the one or more of the images based on calibration parameter in different distances between the segment of the point cloud and the vehicle.

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No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/01/2019

(21) Application  
No.201914001941 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ROTARY POSITIONING MECHANISM FOR A ROTATING SHAFT

(51)

International :H02K0026000000,H02K0011215000,F16B0015060000,G03B0017170000,H02K0021240000  
classification

(31) Priority Document No :107139638

(32) Priority Date :08/11/2018

(33) Name of priority :Taiwan  
country/region

(86)

International Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication No

(61) Patent of  
Addition to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A rotary positioning mechanism for a rotating shaft includes a first driven member and a second driven member which are adjacent to and movable relative to each other. The first driven member has a first teeth row, and the second driven member has a second teeth row misaligned with the first teeth row. Both the first teeth row and the second teeth row mesh with a gear. When the first driven member and the second driven member are subjected to opposite forces, the gear may be clamped and not shake. When the gear is a part of the rotating shaft and one end of the rotating shaft is coupled to an article, the article can be rotated and then maintained in an accurate positioning state without shaking when reaching a positioning point.



No. of Pages : 30 No. of Claims : 9

(71)Name of  
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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914002853 A

(19) INDIA

(22) Date of filing of Application :23/01/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : INTELLIGENT MACHINE TOOL MANAGEMENT SYSTEM AND METHOD

(51)  
International :B23Q0003155000,B23Q0003157000,G05B0019406500,B23Q0039040000,G05B0019418000  
classification  
(31) Priority  
Document :107140379  
No

(32) Priority :14/11/2018  
Date

(33) Name  
of priority :Taiwan  
country  
/region  
(86)

International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

An intelligent machine tool management system and method detects the machining tools respectively to obtain their respective tool parameters, which are stored in the respective electronic tags attached to their corresponding tools located in the tool seats of the tool magazine of the machine tool. A reader installed in the machine tool is used to receive the information stored in the electronic tag attached to the tool located at the transfer position. When it is determined that the information stored in the electronic tag does not match the information in the machining program instruction, a controller issues a control instruction immediately to shut down the machine tool or drive the tool magazine to bring the correct tool to the transfer position for subsequent processing.



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

(71)Name of Applicant

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914007470 A

(19) INDIA

(22) Date of filing of Application :26/02/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : POUCH FORMING METHOD AND POUCH FORMINGDEVICE

(51)  
International :H01M0002020000,B23K0026400000,A45F0003000000,B65D0075520000,B29C0065220000  
classification  
(31) Priority  
Document :10-2018-0137484  
No

(32) Priority :09/11/2018  
Date

(33) Name  
of priority :Republic of Korea  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Provided are a pouch forming method and a pouch forming device. The pouch forming method for forming an accommodation part accommodating an electrode assembly in a pouch sheet comprises a seating process of seating the pouch sheet on a top surface of a lower die in which a forming groove is formed in an upper portion thereof, a vacuum elongation process of elongating a lower portion of the pouch sheet, in which the accommodation part is formed, through vacuum, and an accommodation part formation process of pressing the portion of the pouch sheet, which is elongated through the vacuum, by using a punch disposed above the pouch sheet in a direction in which the forming groove is formed to form the accommodation part.



No. of Pages : 59 No. of Claims : 18

(71)Name of Applicant  
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4)YEO, Sang Uk

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914028641 A

(19) INDIA

(22) Date of filing of Application :16/07/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : NR-LTE COEXISTING OPERATION FOR UPLINK

(51)

International:H04W0072120000,H04L0005000000,H04W0072040000,H04W0024100000,H04W00521400  
classification 00

n

(31) Priority

Document :16/186,337

No

(32) Priority :09/11/2018  
Date

(33) Name

of priority :U.S.A.  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional

to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

Methods of operating a network device for a user equipment, UE, in a telecommunications network is provided. Methods include generating a transmission gap at an end of a first type of uplink, UL, transmission and scheduling a second type of UL transmission that corresponds to the transmission gap. Generating the transmission gap includes sending, to the UE, a radio resource control that configures a potential sounding reference signal, SRS, transmission that generates the transmission gap.



No. of Pages : 30 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914032025 A

(19) INDIA

(22) Date of filing of Application :07/08/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CEILING FAN AND CONTROL METHOD THEREOF

(51)

International :F04D0025080000,B25F0005000000,B26B0019380000,F24F0013140000,F21V0033000000  
classification

(31) Priority

Document :10-2018-0139963

No

(32) Priority :14/11/2018  
Date

(33) Name  
of priority :Republic of Korea  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A ceiling fan installed on an indoor wall or ceiling includes an operation switch configured to selectively provide commercial power to an electric device provided indoor and perform a switching operation to be turned on or off, a power supply connected to the operation switch and configured to provide a voltage, a modulation circuit connected to the operation switch and configured to modulate a frequency, and a microcomputer including an input unit to which the power supply and the modulation circuit are connected, the microcomputer being configured to control a motor for providing a driving force so as to rotate a blade. The microcomputer is configured to determine the number of times of switchings of the operation switch through an input frequency inputted to the input unit.



No. of Pages : 38 No. of Claims : 19

(71)Name of Applicant :  
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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914034695 A

(19) INDIA

(22) Date of filing of Application :28/08/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CIRCUIT-BREAKER WITH REDUCED BREAKDOWN VOLTAGE REQUIREMENT

(51)  
International :H03K0017081400,H01C0013020000,H03K0017100000,H04B0010400000,H03K0017600000  
classification  
(31) Priority  
Document :1818407.7  
No

(32) Priority :12/11/2018  
Date

(33) Name  
of priority :U.K.  
country  
(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

A circuit-breaker (12) with reduced breakdown voltage requirement comprises an input terminal (17) to connect the circuit-breaker (12) to a voltage source (1), and an output terminal (35) to connect the circuit-breaker (12) to a load (9). The circuit-breaker (12) further comprises a switching circuit (30) being connected to the input terminal (17), and a separation switching unit (S) being connected to the switching circuit (30). The switching circuit (30) comprises a varistor device (10) and a controllable switching component (24). The varistor device (10) and the controllable switching component (24) are connected in series between a first and a second current path (28, 29) of the switching circuit (30).



No. of Pages : 30 No. of Claims : 12

(71)Name of Applicant

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914038142 A

(19) INDIA

(22) Date of filing of Application :21/09/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : PAYMENT METHODS AND SYSTEMS BY SCANNING QR CODES ALREADY PRESENT IN A USER DEVICE

(51)  
International :G06Q0020320000,G06K0019060000,G06Q0030060000,G06Q0020400000,G06K0007100000  
classification  
(31) Priority  
Document :10201810001Y  
No

(32) Priority :09/11/2018  
Date

(33) Name  
of priority :Singapore  
country  
(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Embodiments provide methods and systems for reading a Quick Response (QR) code displayed in a user device of a user for facilitating a payment transaction. The method includes facilitating display of the QR code on a display screen of the user device. The QR code includes at least a payment related information for a payment transaction. The method also includes initializing a QR capture mode in the user device for capturing the QR code using a capture overlay frame. The method includes reading the QR code within the capture overlay frame to extract the payment related information. The method further includes facilitating the payment transaction based at least on the payment related information extracted by reading the QR code.



No. of Pages : 68 No. of Claims : 20

(71) Name of Applicant :  
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1) SINHA, Ajay

2) MODI, Bhargav,  
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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914041548 A

(19) INDIA

(22) Date of filing of Application :14/10/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ORAL INFORMATION MANAGEMENT SYSTEM USING SMART TOOTHBRUSH

(51)  
International :G06Q0010100000,A46B0015000000,A46B0005000000,A61F0013840000,G09B0019000000  
classification  
(31) Priority  
Document :10-2018-0136378

No  
(32) Priority :08/11/2018  
Date

(33) Name  
of priority :Republic of Korea  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Disclosed herein is an oral information management system using a smart toothbrush, the oral information management system including: a smart toothbrush configured to include a camera and at least one sensor; and a user terminal configured to acquire information collected from the smart toothbrush; wherein the user terminal determines the oral health state of a user based on the information collected from the smart toothbrush.



No. of Pages : 34 No. of Claims : 8

(71)Name of Applicant  
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LEE Chaeeun; LEE,  
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201914041769  
A

(19) INDIA

(22) Date of filing of Application :15/10/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : FINGERPRINT CAPTURING METHOD, FINGERPRINT CAPTURING APPARATUS AND ELECTRONIC DEVICE

(51)

International :G06K0009000000,G06F0003048800,G06F0003041000,G06F0021320000,G06F0001160000  
classification

(31) Priority

Document :201811325151.9

No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :China  
country

(86)

International  
Application :NA

No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A fingerprint capturing method, a fingerprint capturing apparatus and an electronic device are disclosed. The fingerprint capturing method may be applied to an electronic device including a touch screen. The fingerprint capturing method includes: when a luminance of a fingerprint capturing area of the touch screen is a first luminance value, adjusting the luminance of the fingerprint capturing area to a second luminance value in response to detecting a touch operation on the fingerprint capturing area (101); and capturing a fingerprint image corresponding to the touch operation under the second luminance value via a fingerprint sensor (102), wherein the fingerprint sensor is disposed below the fingerprint capturing area..



No. of Pages : 35 No. of Claims : 14

(71)Name of Applicant :

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(72)Name of Inventor :

1)YUAN, Shilin

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914043100 A

(19) INDIA

(22) Date of filing of Application :23/10/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ELEVATOR MONITORING SYSTEM, ELEVATOR MAINTENANCE WORK SUPPORT SYSTEM, AND ELEVATOR MAINTENANCE WORK SUPPORT METHOD

(51) International :B66B0005000000,G06F0011070000,G06F0011140000,B66B0003000000,H04W0076190000 classification (31) Priority Document :2018-210808 No (32) Priority :08/11/2018 Date (33) Name of priority :Japan country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)HITACHI BUILDING SYSTEMS CO., LTD.</b> Address of Applicant :2-101, Kandaawaji- cho, Chiyoda-ku, Tokyo, Japan Japan (72)Name of Inventor : <b>1)Takehiro Takahashi 2)Yutaka Maruoka</b>
--	---

(57) Abstract :

An elevator monitoring center for remotely monitoring an elevator installed in a facility includes a failure state information reception part configured to receive failure state information on the elevator, a failure handling method estimation part configured to acquire failure handling support information on the basis of the received failure state information and master information on the failed elevator, a support person selection part configured to select a support person to be sent to the failed elevator on the basis of the contents of the failure handling support information acquired by the failure handling method estimation part as well as a process situation and a failure situation after receiving the failure state information, and a support information provision part configured to request to send the support person selected by the support person selection part.



No. of Pages : 41 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/10/2019

(21) Application  
No.201914043270 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ELECTRIC CURRENT SWITCHGEAR

(51)  
International :F16M0011240000,H01H0033700000,H01H0033420000,H01H0001380000,H01H0050440000  
classification  
(31) Priority  
Document :1860291  
No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :France  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

This electric current switchgear (2) includes switching elements (4), each including fixed electrical contacts (8) and a movable portion with a movable electrical contact (12) that is movable along an axis (X) of movement between an opening position and a closing position and an actuator (6) comprising a movable part (32) that is movable along the axis (X) in order to move the movable portion between its opening and closing positions. Each movable portion includes a body defining a housing and a cage containing a support bearing the movable contact (12), the cage being mounted in this housing and being movable along the axis (X) with respect to the movable portion. A movable end stop that is movable along the axis (X) by means of an adjustment screw limits the movement of the cage with respect to the body. Figure 1



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

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201914043427  
A

(19) INDIA

(22) Date of filing of Application :25/10/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : VEHICLE FRONT STRUCTURE

(51)

International :B62D0021150000,B62D0025080000,B60R0016040000,B60R0021000000,B65H0035000000  
classification

(31) Priority

Document :2018-211040

No

(32) Priority :09/11/2018  
Date

(33) Name  
of priority :Japan  
country

(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)

International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Provided is a vehicle front structure capable of protecting a control apparatus disposed in a power unit mounting room at the front of a vehicle from an impact at the time of a frontal collision. A vehicle front structure 100 includes: a side member 106 extending in a front-rear direction in the region of a vehicle side portion in a power unit mounting room 102, and including an inclined portion 108 and a horizontal portion 110; a strut tower 114 standing upright on the outer side in the vehicle width direction of the side member; a side wall 116 forming the vehicle side portion and connected to the strut tower; and a bracket 118 located above the inclined portion of the side member and supporting a control apparatus 146, wherein the bracket includes: a main body portion 148 on which the control apparatus is mounted, that is located above the strut tower, and at least a part of which overlaps the strut tower in a plan view; a first fixed portion 150 extending from the main body portion and fixed to the side wall on the front side of the strut tower; and a second fixed portion 152 extending from the main body portion and fixed to a cowl front panel 154 on the rear side of a front end 122 of the strut tower. FIG. 2

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No. of Pages : 31 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201914043679  
A

(19) INDIA

(22) Date of filing of Application :28/10/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : VEHICLE BODY FRONT STRUCTURE

(51)

International :B62D0025080000,B62D0021150000,B60R0019340000,B62D0025200000,B62D0027020000  
classification

(31) Priority

Document :2018-210368  
No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :Japan  
country

(86)  
International  
Application :NA

No :NA  
Filing  
Date

(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

A vehicle body front structure is provided that can control an amount of absorption of collision load for each portion of a cowl side member while deforming the cowl side member more reliably. A configuration of a vehicle body front structure 100 according to the present invention includes a front side member 110 that is located on a side of a power unit mounting room 100a and that extends in a front-rear direction, a side body 106 constituting a vehicle body side face in the rear of the power unit mounting room 100a, a cowl side member 120 that is spaced apart from and disposed on the vehicle-width direction outer side of the front side member 110, and that extends from the side body 106 toward the front of the vehicle, and the cowl side member 120 includes a rear portion 122 that extends from the side body 106 toward the front of the vehicle in parallel with the front side member 110, and a front portion 124 that bends at a front end of the rear portion 122 and extends downward toward the front of the vehicle, and an upper face of the front portion 124 is flat, the front end 124b of the front portion 124 is located above the front side member 110 and is tapered toward the front of the vehicle.

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No. of Pages : 19 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application  
No.201914043680 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : VEHICLE BODY FRONT STRUCTURE

(51)  
International :B62D0025080000,B62D0021150000,B60R0019340000,B62D0025200000,B62D0021020000  
classification  
(31) Priority  
Document :2018-210369

No  
(32) Priority :08/11/2018  
Date

(33) Name  
of priority :Japan  
country  
(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

It is an object to provide a vehicle body front structure capable of uniformly deforming a colliding object and achieving a high score in the MPDB frontal impact test. Features of a vehicle body front structure 100 according to the present invention lie in including a front side member 110 extending in a front-rear direction on a side of a power unit mounting room 100a located in a front part of a vehicle, a first member 120 fixed to a front end of the front side member 110 and extending in a vertical direction; and a second member 130 arranged on an outer side of the first member 120 in a vehicle width direction, wherein a front face 120a of the first member 120 is a flat face, and the second member 130 is connected to the first member 120 below the front side member 110, inclines upward as the second member 130 extends rearward relative to the vehicle from a portion at which the second member 130 is connected to the first member 120, and is also connected to a vehicle body above the front side member 110.



No. of Pages : 29 No. of Claims : 4

(71)Name of Applicant  
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201914043846  
A

(19) INDIA

(22) Date of filing of Application :30/10/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : VEHICLE BODY FRONT STRUCTURE

(51)

International :B62D0025080000,B62D0021150000,B60R0021340000,B62D0025200000,F16F0007120000  
classification

(31) Priority

Document :2018-210367  
No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :Japan  
country

(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)

International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Provided is a vehicle body front structure capable of suppressing load concentration in a collision body and preventing local deformation of the collision body. A vehicle body front structure according to one embodiment of the present invention is a vehicle body front structure including a front side member extending in the longitudinal direction on the side of a power unit mounting room located at the front of a vehicle, the vehicle body front structure further including: a strut tower that is disposed on the outer side in the vehicle width direction of the front side member, and to which a suspension is fixed; a fender apron disposed on the front side of the strut tower and on the outer side in the vehicle width direction of the front side member; a first member fixed to the front end of the front side member and extending in the vertical direction; a reinforcement member fixed to the outer side in the vehicle width direction of the lower end of the first member, the reinforcement member having a flat plate portion facing the front of the vehicle over a predetermined length in the vertical direction; and a second member connecting the reinforcement member and the fender apron.



No. of Pages : 27 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914043991 A

(19) INDIA

(22) Date of filing of Application :30/10/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : VEHICLE BODY FRONT STRUCTURE

(51)  
International :B62D0025080000,B62D0021150000,B60K0011040000,B62D0021110000,B60R0021340000  
classification  
(31) Priority  
Document :2018-210366

No  
(32) Priority :08/11/2018  
Date

(33) Name  
of priority :Japan  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
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to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Provided is a vehicle body front structure that can enlarge an area to be brought into contact with a collision object and significantly reduce the impact on the collision object. A vehicle body front structure (100) according to the present invention includes: a front-side member (110); a radiator support brace (120) that is arranged at a front end of the front-side member (110) and that extends in a vertical direction; a suspension frame (130) that is arranged below the front-side member (110) and that supports a suspension arm (150), and a load path (140) that extends in a vehicle longitudinal direction from the lower end of the radiator support brace (120) to the lower end of the suspension frame (130), and a first easily-bendable portion (142) and a second easily-bendable portion (144) that can be bent more easily than the surrounding portions are formed on the side surface of the load path (140) at an interval in the vehicle longitudinal direction.



No. of Pages : 25 No. of Claims : 7

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201914044357  
A

(19) INDIA

(22) Date of filing of Application :01/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : INTERNAL COMBUSTION ENGINE COMPONENT AND METHOD OF MANUFACTURING INTERNAL COMBUSTION ENGINE COMPONENT

(51)

International :H01T0021020000,H01T0013020000,H01T0013320000,H01T0013200000,B41M0005240000  
classification  
(31) Priority

Document :2018-210931  
No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :Japan  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

A spark plug that prevents a decrease in strength of a member to which a mark is attached while ensuring a readability of the mark, and a method of manufacturing the spark plug. The spark plug is configured to ignite an air-fuel mixture in an internal combustion engine. The spark plug includes: a mark formed of an oxide film generated on a surface of a metallic member or is formed of the metallic member and the oxide film; and a coating material covering the whole mark and allowing transmission of light.



No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914044365 A

(19) INDIA

(22) Date of filing of Application :01/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : PROCESS AND APPARATUS FOR DIRECT CRYSTALLIZATION OF POLYCONDENSATES

(51)  
International :C08G0063880000,B29B0009160000,B29B0009060000,C08J0003120000,B29B0009120000  
classification  
(31) Priority  
Document :18205205.0  
No

(32) Priority :09/11/2018  
Date

(33) Name  
of priority :EUROPEAN UNION  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

The present invention is related to a process for continuous production of partly crystalline polycondensate pellet material, comprising the step of crystallizing the pellet material in a second treatment space (6a) under fixed bed conditions by supply of energy from the exterior by means of a process gas, wherein the process gas has a temperature TGas/ which is higher than the sum of the pellet temperature TGR and the temperature increase TKR which occurs due to heat of crystallization released in the second treatment space (6a), i.e.  $TGas > (TGR + TKR)$  and wherein the pellets at the exit from the second treatment space (6a) have an average temperature TPH, which is 10 to 90°C higher than the sum of the temperature of the pellets TGR and the temperature increase TKR which occurs due to heat of crystallization released in the second treatment space (6a), i.e.  $(TGR + TKR + 90^{\circ}C) \leq TPH \leq (TGR + TKR + 10^{\circ}C)$



No. of Pages : 57 No. of Claims : 15

(71)Name of Applicant :

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914044386 A

(19) INDIA

(22) Date of filing of Application :01/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : BODY STRUCTURE ALLOWING THE PASSAGE OF FLUID OR GAS UNDER PRESSURE AND ASSOCIATED BODY

(51)  
International :H05B0001020000,F01N0003022000,A61M0025100000,B61D0027000000,B60Q0003430000  
classification  
(31) Priority  
Document :18 60430  
No

(32) Priority :12/11/2018  
Date

(33) Name  
of priority :France  
country  
(86)

International  
Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The invention relates to a bodywork structure (10) for a body for a public transport vehicle, in particular a railway vehicle or a road transport vehicle, for example a guided road transport vehicle, comprising a wall (12) extending in a longitudinal direction (X). The wall (12) comprises at least one cavity (24) extending in the longitudinal direction (X), wherein the cavity (24) forms a passage for a fluid under pressure, for example a gas under pressure.



No. of Pages : 12 No. of Claims : 11

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/11/2019

(21) Application  
No.201914044408 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEMS AND METHODS FOR VERIFYING VOTERS AND MANAGING VOTES ASSOCIATED WITH ELECTIONS

(51)  
International :G07C001300000,H04N0021262000,G06Q0020360000,G06Q0050340000,G06Q0010100000  
classification  
(31) Priority  
Document :16/189,043  
No

(32) Priority :13/11/2018  
Date

(33) Name  
of priority :U.S.A.  
country  
(86)

International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

Systems and methods are provided for managing votes associated with elections. One exemplary method includes receiving, at a computing device, from a voting device, a selection of a voting option by a user in an election provided by an election host and generating, by the computing device, a two-part token based on the selection of the voting option where the token includes a first part indicative of an identity of the user and a second part indicative of the voting option selected by the user. The method also includes transmitting only the second part of the token to the election host to be counted in the election, thereby maintaining anonymity of the user to the election host with regard to the voting option selected by the user.



No. of Pages : 33 No. of Claims : 20

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914044882 A

(19) INDIA

(22) Date of filing of Application :05/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : BIDIRECTIONAL POWER CONVERTER, ELECTRIC VEHICLE, AND CONTROL METHOD FOR BIDIRECTIONAL POWER CONVERTER

(51)  
International :H01L0025070000,G09G0003200000,H02M0001000000,H02M0003158000,H02M0003156000  
classification  
(31) Priority  
Document :2018-213091  
No

(32) Priority :13/11/2018  
Date

(33) Name  
of priority :Japan  
country  
(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition  
to

Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to

Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

A bidirectional power converter includes a first terminal (11; 11a, 11b, 1 lie), a second terminal (13; 113a, 113b, 113c), a main reactor (22; 122a; 122b; 122c), a plurality of sub-circuits (5, 6) and a controller. The sub-circuits each include an upper switching element (32, 34), a lower switching element (31, 33), two diodes (42, 41), and a sub-reactor (24). The controller sequentially controls the sub-circuits such that: the lower switching element is turned on and turned off and then the upper switching element is turned on and turned off in each of the sub-circuits (5, 6), while a current is flowing from the first terminal toward the second terminal; and the upper switching element is turned on and turned off and then, the lower switching element is turned on and turned off in each of the sub-circuits, while the current is flowing from the second terminal toward the first terminal.



No. of Pages : 48 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914044921 A

(19) INDIA

(22) Date of filing of Application :05/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD AND SYSTEM FOR PROCESSING DIGITAL PAYMENTS TO MERCHANTS USING AUTOMATED TELLER MACHINES

(51)  
International :G06Q0020100000,G07F0019000000,G06Q0020120000,G06Q0020400000,G06Q0020080000  
classification  
(31) Priority  
Document :10201810005V  
No

No  
(32) Priority :09/11/2018  
Date

(33) Name  
of priority :U.S.A.  
country  
(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Methods and server systems for processing digital payments to merchants using automated teller machines (ATMs) are disclosed. An option to register a merchant payment account is provided to a merchant. The option enables the merchant to receive payments from customers by using an ATM in vicinity of a merchant location. The merchant payment account is registered in response to a selection of the option by the merchant. The registration links the merchant payment account to the ATM. An input provided by a customer at the ATM is received. The input is indicative of a customer intent to make a payment to the merchant for a purchase transaction. A payment to the merchant payment account is processed based on the input and the linking of the merchant payment account to the ATM.

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No. of Pages : 62 No. of Claims : 20

The Patent Office Journal No. 20/2020 Dated 15/05/2020

18907

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914044949 A

(19) INDIA

(22) Date of filing of Application :05/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : DRAWING APPARATUS AND METHOD FOR AIR SPINNING MACHINES WITH MULTIPLE FEEDS

(51)

International :D01H0001115000,D01H0005360000,D01H0005000000,B65H0051140000,D02G0003340000  
classification

(31) Priority

Document :IT 102018000010209

No

(32) Priority :09/11/2018

Date

(33) Name

of priority :Italy  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A drawing apparatus (4) for air spinning machines with multiple feeds, comprising: at least a first and a second introducer element (8,12), independent of each other, so as to be able to feed simultaneously at least two separate slivers (N1, N2) of textile fiber, an air spinning device (16) suitable to spin said slivers (N1, N2) of textile fiber, - a drawing device (24) placed between the introducer elements (8, 12) and the air spinning device (16), comprising a plurality of pairs of drawing rollers (28), comprising one drive roller (32) and one idle roller (36) per pair, said drawing rollers (28) being suitable to perform a progressive drawing of each sliver simultaneously intercepted by them, characterized in that at least one drive roller (32) of a pair of said drawing rollers (28), is mechanically split into a first drive roller (40) which intercepts a first sliver (N1) and a second drive roller (44) which intercepts the second sliver (N2), said first and second drive rollers (40,44) being operatively connected to separate drive means so that they may be operated at different speeds of rotation, to perform different degrees of drawing of the two slivers (N1, N2) intercepted by said first and second drive roller (40,44), - wherein said first drive roller (40) is associated with a first idle roller (52) and said second drive roller (44) is associated with a second idle roller (56), said idle rollers (52,56) being mechanically separate from each other.



No. of Pages : 42 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201914045049  
A

(19) INDIA

(22) Date of filing of Application :06/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD FOR OPTIMIZING THE POINTING OF AN ANTENNA OF AN AIRBORNE RADAR SYSTEM

(51)

International :G01S0013420000,G06T0005200000,G01S0013780000,H01Q0003080000,H01Q0001280000  
classification

(31) Priority

Document :1871451

No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :France  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication : NA

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

Method for optimizing the elevational pointing of an antenna of an airborne radar system (1) at an altitude h comprising an antenna and processing and calculation means, the method comprising: a. selecting an area of interest (2) b. calculating atmospheric losses Lref at a reference altitude href at the reference range Dref and calculating a reference criterion Kref = -40log10(Dref/); c. for each possible elevational pointing distance of the antenna Dpt from the area of interest, calculating the antenna elevation S that makes it possible to target the distance Dpt via the centre of the antenna; d. for each distance D from the region of interest, calculating the angle θ at which the antenna observes the point of the ground at the distance D and calculating a criterion; 1. K(D) = Ge(6) + Gr(0) - 40 log10 D + Lrefy-ref ref Latmo(h, D) 2. where Ge(6),Gr(6) are respectively the gains of the antenna that are normalized at emission and at reception; e. calculating all of the distances D that, for this pointing distance Dpt, satisfy the relationship K(D) > Kref so as to obtain the start and the end of the sub-swath actually able to be used by the radar system; and calculating the actually usable sub-swaths that are to be juxtaposed (A, B, C) in order to cover the whole of the area of interest without discontinuities.



No. of Pages : 24 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/11/2019

(21) Application  
No.201914045078 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : VEHICLE CONTROL SYSTEM

(51)  
International :G06F0003048400,H01H0047000000,B60Q0001140000,G01D0005245000,F02N0011080000  
classification  
(31) Priority  
Document :2018-210847  
No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :Japan  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to

Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA

Number :NA  
Filing  
Date

(57) Abstract :

A vehicle control system includes: an operation unit disposed in a vehicle and operable by a driver; an operation detection unit configured to detect an operation on the operation unit, and including a displacement unit that is displaced according to an operation amount of the operation unit, and a detection unit that detects a displacement amount of the displacement unit and that outputs a continuous signal according to the displacement amount; and a control unit that inputs the continuous signal detected by the detection unit and performs a predetermined control corresponding to the continuous signal is provided.



No. of Pages : 23 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/11/2019

(21) Application  
No.201914045382 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : VEHICLE AIR-CONDITIONING DUCT STRUCTURE

(51)  
International :B60H000100000,B60K0001040000,B62D0025200000,B60H0001240000,H01M0010656500  
classification

(31) Priority  
Document :2018-210370  
No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :Japan  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Provided is a vehicle air-conditioning duct structure which can prevent a flow of conditioned air from an air-conditioning duct from being blocked by a cross member and a carpet , and prevent deterioration of air-conditioning performance. A vehicle air-conditioning duct structure (100) including: a floor panel (104) that forms a vehicle floor, a battery unit (136) that is disposed on the floor panel (104), an air-conditioning duct (132) that passes between the battery unit (136) and the floor panel (104), a cross member (118) that is located on the vehicle rear side of the battery unit (136), that extends in the vehicle-width direction, and that is joined with an upper face of the floor panel (104); and a carpet (162) for covering the floor panel (104) and the cross member (118) from above, and the air-conditioning duct (132) includes: an inclined portion (150, 152) inclined upward and extends from below the battery unit (136) toward the cross member (118) such that the inclined portion (150, 152) and the cross member (118) hold the carpet (162) therebetween, and air outlet (154, 156) formed in a rear end of the inclined portion (150, 152) and that is configured to blow out conditioned air from a position higher than an upper face of the cross member (118) into a vehicle interior.

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No. of Pages : 25 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201914045501  
A

(19) INDIA

(22) Date of filing of Application :08/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD FOR FINGERPRINT RECOGNITION AND RELATED DEVICES

(51)

International :G06K0009000000,G06F0003048800,G06F0003041000,G06F0021320000,G06F0003048400  
classification

(31) Priority

Document :201811325114.8

No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :China  
country

(86)

International

Application :NA  
No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to

Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

A method for fingerprint recognition is provided. An electronic device includes a touch screen. The touch screen has a fingerprint recognition area. The fingerprint recognition area is capable of being pressed by at least two fingers. The method includes the following. Touched areas in the fingerprint recognition area are selected as target touch areas upon detecting a touch operation on the touch screen. One target touch area corresponds to one finger which applies pressure to the touch screen. A fingerprint image in each target touch area is acquired to obtain at least one fingerprint image. Determine whether each of the at least one fingerprint image is matched with a corresponding fingerprint image template of a preset fingerprint image template set. A preset operation corresponding to the touch operation is triggered, upon determining that each of the at least one fingerprint image is matched with a corresponding fingerprint image template.

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No. of Pages : 84 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914045862 A

(19) INDIA

(22) Date of filing of Application :11/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : BEARING SYSTEM •

(51)

International :F16H0055360000,F01D0017160000,F16K0031163000,A63F0013240000,F16C0001120000  
classification

(31) Priority

Document :102018219265.0

No

(32) Priority :12/11/2018  
Date

(33) Name  
of priority :Germany  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention relates to an actuation device for a compressor inlet adjustment mechanism. The actuation device comprises a housing part and a lever assembly. The lever assembly comprises a bearing section, an input section and an output section. The output section is configured to be coupled to an adjustment ring of the adjustment mechanism on a first side of the housing part. The input section can be coupled to an actuator rod on a second side of the housing part. The lever assembly is rotatably mounted in the housing part via the bearing section on the compressor inlet side here.



No. of Pages : 42 No. of Claims : 15

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2)**Walkinshaw, Jason**

3)**Sascha Karstadt**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2019

(21) Application  
No.201914046057 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : DOOR WEATHER STRIP

(51)

International :B60J0010860000,B60J0010248000,B60J0010240000,B60J0010840000,B60J0005040000  
classification

(31) Priority

Document :2018 -213713

No

(32) Priority :14/11/2018  
Date

(33) Name

of priority :Japan  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

An object is to achieve a door weather strip that provides better door closeability than conventional products. A door weather strip is arranged such that an attachment base and a vehicle-interior-side wall of a hollow sealing section are connected together with a vehicle-interior-side connection wall therebetween, and that the vehicle-interior-side connection wall includes a vehicle-interior-side bent portion, the vehicle-interior-side bent portion being a doors-surrounding-area-side portion of the vehicle-interior-side connection wall and being bent toward an interior of the vehicle. The vehicle-interior-side bent portion extends from the door-center-side edge of the vehicle-interior-side wall in a direction from the interior of the vehicle toward the exterior of the vehicle and has continuous first and second curves, the first curve being convex to the door-center side, the second curve being convex to the doors-surrounding-area side. When the hollow sealing section is not in elastic contact with the edge of the door opening, the doors-surrounding-area-side edge of the vehicle-interior-side wall is.

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(72)Name of Inventor :

1)SENO, Ryota  
2)MATSUURA,  
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3)MURAKAMI,  
Hirokazu



No. of Pages : 42 No. of Claims : 6

The Patent Office Journal No. 20/2020 Dated 15/05/2020

18914

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201914046220 A

(19) INDIA

(22) Date of filing of Application :13/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : INTERNAL COMBUSTION ENGINE WITH INJECTION CONTROL DEVICE

(51)

International :F01N0003025000,F02D0041400000,F01N0003023000,F02D0041020000,F01N0003035000  
classification

(31) Priority

Document :102018219423.8

No

(32) Priority :14/11/2018  
Date

(33) Name  
of priority :Germany  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

An internal combustion engine (2) comprises at least one combustion chamber (22); a mechanical injection control device (10) which is designed to control the injection of fuel into the at least one combustion chamber (22); an exhaust gas system (6) for discharging exhaust gases generated in the at least one combustion chamber (22); a particulate filter (8) disposed in the exhaust gas system (6); and a mechanical pressure sensor (12) arranged upstream of the particle filter (8) on the exhaust gas system (6). The pressure sensor (12) is mechanically coupled to the injection control device (10) such that a change in pressure of the exhaust gases in the exhaust gas system (6) upstream of the particulate filter (8) results in a change in the maximum amount of fuel injected into the combustion chamber (22) and / or leads to a shift of the injection timing.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/07/2019

(21) Application No.201917030174 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : COMMUNICATION PROCESSING METHOD AND DEVICE

(51) International classification	:H04W 56/00
(31) Priority Document No	:201711149022.4
(32) Priority Date	:17/11/2017
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/114980
Filing Date	:12/11/2018
(87) International Publication No	:WO/2019/096081
(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)HUAWEI TECHNOLOGIES CO., LTD.

Address of Applicant :Huawei Administration Building,  
Bantian, Longgang District Shenzhen, Guangdong 518129 China

(72)Name of Inventor :

1)WANG, Yafei

2)MA, Xiaojun

3)ZHANG, Chi

(57) Abstract :

Embodiments of the present application provide a communication processing method. By means of a time offset a time domain position of a time domain resource configuration of a first wireless communication system aligned with a time domain resource configuration of a second wireless communication system is determined; a terminal and the first wireless communication system perform data transmission at the determined time domain position such that the interference with the second communication system can be avoided.



No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/08/2019

(21) Application No.201917032360 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : HIGHLY ABSORPTIVE RESIN AND METHOD FOR PRODUCING SAME

(51) International classification	:C08J 3/24,C08F 20/00,C08K 5/00,C08J 3/075,C08J 3/12	(71) <b>Name of Applicant :</b> <b>1)LG CHEM, LTD.</b> Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea
(31) Priority Document No	:10-2017-0173553	(72) <b>Name of Inventor :</b>
(32) Priority Date	:15/12/2017	<b>1)LEE, Hyemin</b>
(33) Name of priority country	:Republic of Korea	<b>2)SOHN, Jungmin</b>
(86) International Application No Filing Date	:PCT/KR2018/013917 :14/11/2018	<b>3)KIM, Yeonsoo</b>
(87) International Publication No	:WO/2019/117482	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to: a highly absorptive resin that not only has an excellent basic absorption capacity, but also exhibits a further enhanced absorption rate and liquid permeability and the like; and a method for producing same. The highly absorptive resin includes: a base resin powder including a cross-linked polymer of aqueous ethylene-based unsaturated monomers that include acid groups, at least a portion of which are neutralized; and a surface cross-linked layer which is formed on the base resin powder and obtained by further cross-linking the base resin powder via a surface cross-linking agent, wherein the highly absorptive resin includes in round numbers at least 10% of highly absorptive resin particles having an aspect ratio, defined as the shortest diameter/the longest diameter of each of the highly absorptive resin particles, of less than 0.5, and the SFC satisfies a certain range.



No. of Pages : 49 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917034594 A

(19) INDIA

(22) Date of filing of Application :28/08/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : SEPARATOR FOR POWER STORAGE DEVICE AND METHOD FOR PRODUCING SAME, AND POWER STORAGE DEVICE AND METHOD FOR PRODUCING SAME

(51) International classification	:H01M 2/16,C08J 9/26,H01G 11/52,H01M 10/0566,H01M 10/0587	(71) <b>Name of Applicant :</b> <b>1)ASAHI KASEI KABUSHIKI KAISHA</b> Address of Applicant :1-1-2 Yurakucho, Chiyoda-ku, Tokyo 1000006 Japan
(31) Priority Document No	:2017-228269	(72) <b>Name of Inventor :</b>
(32) Priority Date	:28/11/2017	<b>1)MURAKAMI, Masato</b>
(33) Name of priority country	:Japan	<b>2)INABA, Shintaro</b>
(86) International Application No Filing Date	:PCT/JP2018/041742 :09/11/2018	<b>3)HISAMITSU, Shinya</b>
(87) International Publication No	:WO/2019/107119	<b>4)INAGAKI, Daisuke</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)HATAYAMA, Hiroshi</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This separator for a power storage device has a porous layer containing a polyolefin resin and surface-treated ionic compound. The ionic compound content of the porous layer is 5 to 99 mass%, and the degree of surface hydrophilicity of the ionic compound is 0.10 to 0.80.



No. of Pages : 44 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/08/2019

(21) Application No.201917034596 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : SEPARATOR FOR ELECTRICITY STORAGE DEVICES, AND ELECTRICITY STORAGE DEVICE

(51) International classification	:H01M 2/16,H01G 11/52,H01G 11/06
(31) Priority Document No	:2017-217832
(32) Priority Date	:10/11/2017
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2018/041748
Filing Date	:09/11/2018
(87) International Publication No	:WO/2019/093498
(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)ASAHI KASEI KABUSHIKI KAISHA**

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**(72)Name of Inventor :**

**1)MURAKAMI, Masato**

**2)INABA, Shintaro**

**3)HISAMITSU, Shinya**

**4)INAGAKI, Daisuke**

**5)HATAYAMA, Hiroshi**

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**(57) Abstract :**

A separator for electricity storage devices, which comprises a porous layer that contains a polyolefin resin and an ionic compound, and which is configured such that: the content of the ionic compound in the porous layer is from 5% by mass to 99% by mass (inclusive); and the degree of whiteness of this separator is more than 98.0.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/09/2019

(21) Application No.201917035576 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PRECISION MULTI-VIEW DISPLAY

(51) International classification	:H04N 13/307,H04N 13/351,H04N 13/305,H04N 13/31	(71) <b>Name of Applicant :</b> <b>1)MISAPPLIED SCIENCES, INC.</b> Address of Applicant :16128 NE 87th Street Redmond, Washington 98052 U.S.A.
(31) Priority Document No	:15/809147	(72) <b>Name of Inventor :</b>
(32) Priority Date	:10/11/2017	<b>1)NG, Albert, Han</b>
(33) Name of priority country	:U.S.A.	<b>2)DIETZ, Paul, Henry</b>
(86) International Application No Filing Date	:PCT/US2018/059859 :08/11/2018	<b>3)DUNCAN, William, Jerry</b>
(87) International Publication No	:WO/2019/094616	<b>4)LATHROP, Matthew, Steele</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)THOMPSON, David, Steven</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A precision multi-view (MV) display system can accurately and simultaneously display different content to different viewers over a wide field of view. The MV display system may include features that enable individual MV display devices to be easily and efficiently tiled to form a larger MV display. A graphical interface enables a user to graphically specify viewing zones and associate content that will be visible in those zones in a simple manner. A calibration procedure enables the specification of content at precise viewing locations.



No. of Pages : 74 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/10/2019

(21) Application No.201917042687 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : WIND ENERGY AEROSTAT

(51) International classification	:B64B 1/50,F03D 9/32,F03D 1/00	(71) <b>Name of Applicant :</b> <b>1)GUBANOV, Aleksandr Vladimirovich</b> Address of Applicant :Khvostov 2 per., 10, k. 2, kv. 25 Moscow, 119180 Russia
(31) Priority Document No	:2017143110	
(32) Priority Date	:11/12/2017	
(33) Name of priority country	:Russia	
(86) International Application No	:PCT/RU2018/000735	
Filing Date	:12/11/2018	
(87) International Publication No	:WO/2019/117751	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A wind energy aerostat comprises a radial bladed turbine the axis of rotation of which coincides with the wind direction and which is part of a wind power unit comprising a multiplier and a generator in a gondola housing; and a frame having a horizontal crossbar. The wind power unit is suspended using an assembly that includes a bushing which is freely seated at the middle of the horizontal crossbar and a vertical post situated below which terminates in a connection to the gondola. The strength of the horizontal crossbar is increased by an arched truss and the rigidity of the frame is increased by joining the frame sides to a single bracing crossbar. The aerostat can be equipped with an electric aircraft motor that operates using variable thrust directed against the wind and that is capable of being mounted on a shelf on the leeward side of the aerostat. The invention is directed toward increasing the rigidity and strength of the suspension assembly and minimizing the operating area for accommodating the aerostat.



No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2019

(21) Application No.201917046217 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : OPTICAL IMAGING SYSTEM

(51) International classification	:G02B 13/00,G02B 13/18	(71) <b>Name of Applicant :</b> <b>1)ZHEJIANG SUNNY OPTICAL CO., LTD</b> Address of Applicant :No. 66-68 Shunyu Road Yuyao, Ningbo City Zhejiang 315400 China
(31) Priority Document No	:201810410328.9	(72) <b>Name of Inventor :</b>
(32) Priority Date	:02/05/2018	<b>1)HUANG, Lin</b>
(33) Name of priority country	:China	
(86) International Application No	:PCT/CN2018/114511	
Filing Date	:08/11/2018	
(87) International Publication No	:WO/2019/210672	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An optical imaging system, the optical imaging system sequentially comprising along the optical axis from an object side to an image side: a first lens (E1), a second lens (E2), a third lens (E3), a fourth lens (E4), a fifth lens (E5), a sixth lens (E6), and a seventh lens (E7). The first lens (E1) and the third lens (E3) each have a positive focal power; the second lens (E2), the fourth lens (E4), the fifth lens (E5), the sixth lens (E6) and the seventh lens (E7) each have a positive focal power or a negative focal power; an object side surface (S1) of the first lens (E1) is a convex surface, and an image side surface (S2) thereof is a concave surface; an image side surface (S4) of the second lens (E1) is a concave surface; an object side surface (S5) of the third lens (E1) is a convex surface; an object side surface (S13) of the seventh lens (E1) is a convex surface, and an image side surface (S14) thereof is a concave surface; the total effective focal length f of the optical imaging system and the entrance pupil diameter (EPD) of the optical imaging system satisfy  $f/EPD \leq 1.5$ ; and the central thickness CT7 of the seventh lens (E1) on the optical axis, the central thickness CT5 of the fifth lens (E1) on the optical axis, and half of the maximum field of view angle (HFOV) of the optical imaging system meet  $1 < CT7/CT5 - TAN(HFOV) < 2$ .



No. of Pages : 45 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/11/2019

(21) Application No.201917047298 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : BATTERY MODULE COMPRISING HOUSING WITH CONNECTOR

(51) International classification	:H01M 2/10,H01M 2/20,H01M 2/30,H01M 10/42	(71) <b>Name of Applicant :</b> <b>1)LG CHEM, LTD.</b> Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea
(31) Priority Document No	:10-2017-0153330	(72) <b>Name of Inventor :</b>
(32) Priority Date	:16/11/2017	<b>1)JEON, Hyun Wook</b>
(33) Name of priority country	:Republic of Korea	<b>2)YUN, Youngsun</b>
(86) International Application No Filing Date	:PCT/KR2018/013843 :13/11/2018	
(87) International Publication No	:WO/2019/098653	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A battery module according to an embodiment comprises: a lower housing in which a plurality of secondary battery cells are received; an upper housing which is coupled to a cover of the lower housing so as to cover the plurality of secondary battery cells; a female type connector which is detachably installed in at least one of the lower housing and the upper housing; and a wire harness which is electrically connected to the connector and the plurality of secondary battery cells. The connector includes a body in which a plurality of terminals are disposed, the bottom surface of the body is spaced apart from the outer surface of the at least one housing so as to form a space between the bottom surface and the outer surface of the at least one housing, and both side surfaces of the body are fixedly installed on the outer surface of the at least one housing.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/12/2019

(21) Application No.201917054090 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : DRIVING METHOD AND DRIVING DEVICE FOR DISPLAY SCREEN

(51) International classification	:G09G 3/3208,G09G 3/20	(71) <b>Name of Applicant :</b> <b>1)CHIPONE TECHNOLOGY (BEIJING) CO., LTD.</b> Address of Applicant :Building 56, NO.2 North Jing Yuan Street, Beijing Economic Technological Development Area Beijing 100176 China
(31) Priority Document No	:201711251028.2	
(32) Priority Date	:01/12/2017	
(33) Name of priority country	:China	
(86) International Application No	:PCT/CN2018/115331	(72) <b>Name of Inventor :</b>
Filing Date	:14/11/2018	<b>1)ZHUO, Shengtian</b>
(87) International Publication No	:WO/2019/105224	<b>2)ZHU, Xuetian</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a driving method for a display screen. The display screen has a special-shaped part made in units of sub-pixels. The driving method comprises: receiving display data, wherein the display data comprises pixel data corresponding to each pixel, and the pixel data comprises a pixel position and a pixel value; adjusting, according to pre-stored boundary data of the special-shaped part of the display screen, pixel data, in the display data, corresponding to a boundary position of the special-shaped part, wherein the boundary data of the special-shaped part indicates a boundary position of the special-shaped part and a sub-pixel at the boundary position. According to the present application, when display data is displayed, the pixel data displayed by sub-pixels will not be highlighted from surrounding pixel data after being adjusted, solving the problem of color leakage at an edge of a display screen. Also provided in the present application is a driving device.



No. of Pages : 15 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017001620 A

(19) INDIA

(22) Date of filing of Application :14/01/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : SECONDARY BATTERY

(51) International classification	:H01M 2/34,H01M 2/26,H01M 2/02,H01M 2/06,H01M 2/08	(71)Name of Applicant : <b>1)LG CHEM, LTD.</b> Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea
(31) Priority Document No	:10-2017-0158265	(72)Name of Inventor :
(32) Priority Date	:24/11/2017	<b>1)KIM, Kyoung Ho</b>
(33) Name of priority country	:Republic of Korea	<b>2)CHOI, Jung Seok</b>
(86) International Application No Filing Date	:PCT/KR2018/013665 :09/11/2018	<b>3)OH, Song Taek</b>
(87) International Publication No	:WO/2019/103372	<b>4)PARK, Jong Pil</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)KIM, Kyung Min</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a secondary battery comprising: a pouch; an electrode assembly, which is mounted in the pouch and has electrodes and separators that are alternately stacked, and in which electrode tabs, having been extended from respective ends of the electrodes, are overlapped while being gathered at one side so as to form a tab connection part; a first lead having one end connected to the tab connection part, and a second lead having one end connected to the first lead and the other end connected to the outside of the pouch, wherein each of the first lead and the second lead includes a lead fixed to the inner surface of the pouch; and a bonding means having conductivity and coupling the first lead and the second lead, wherein the first lead and the second lead are separated from each other when the internal gas pressure of the pouch increases and the pouch expands, and the bonding means contains a high voltage decomposition material, which is decomposed so as to generate gas when a high voltage of at least a fixed amount is applied thereto so as to accelerate the increase in gas pressure.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017003921 A

(19) INDIA

(22) Date of filing of Application :29/01/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : AZOLE DERIVATIVE, INTERMEDIATECOMPOUND, METHOD FOR PRODUCING AZOLE DERIVATIVE, AGENT FOR AGRICULTURAL AND HORTICULTURAL USE, AND MATERIAL PROTECTION AGENT FOR INDUSTRIAL USE •

(51) International classification	:C07D 249/08,A01N 43/653,A01P 3/00,C07D 401/06,C07D 401/12	(71) <b>Name of Applicant :</b> <b>1)KUREHA CORPORATION</b> Address of Applicant :3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 1038552 Japan
(31) Priority Document No	:2017-218655	(72) <b>Name of Inventor :</b>
(32) Priority Date	:13/11/2017	<b>1)HARIGAE, Ryo</b>
(33) Name of priority country	:Japan	<b>2)ITO, Atsushi</b>
(86) International Application No	:PCT/JP2018/041971	<b>3)MIYAKE, Taiji</b>
Filing Date	:13/11/2018	<b>4)YAMAZAKI, Toru</b>
(87) International Publication No	:WO/2019/093522	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a plant disease control agent which has low toxicity to humans and animals, while having excellent safety in handling, and which exhibits excellent controlling effect on a wide range of plant diseases and high antibacterial activity against plant pathogens. A compound represented by general formula (I), or an N-oxide form or agrochemically acceptable salt thereof.



No. of Pages : 160 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/02/2020

(21) Application No.202017005515 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : INSPECTION SYSTEM, CONTROL METHOD, AND STORAGE MEDIUM

(51) International classification	:G01N 29/265,G01B 17/00,G01N 29/22	(71) <b>Name of Applicant :</b> <b>1)KABUSHIKI KAISHA TOSHIBA</b> Address of Applicant :1-1, Shibaura 1-chome, Minato-ku, Tokyo 1050023 Japan
(31) Priority Document No	:2017-220461	(72) <b>Name of Inventor :</b>
(32) Priority Date	:15/11/2017	<b>1)USHIJIMA, Akira</b>
(33) Name of priority country	:Japan	<b>2)SAITO, Masahiro</b>
(86) International Application No	:PCT/JP2018/042113	<b>3)CHIBA, Yasunori</b>
Filing Date	:14/11/2018	<b>4)MATSUMOTO, Shin</b>
(87) International Publication No	:WO/2019/098232	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An inspection system according to an embodiment includes a probe and a control unit. The probe includes a plurality of ultrasonic sensors arranged in a first direction. The probe moves in a second direction intersecting the first direction and comes into contact with a welded part. Each of the plurality of ultrasonic sensors transmits an ultrasonic wave toward the welded part and receives a reflected wave. The control unit detects junction or non-junction of the welded part at a plurality of points along the first direction on the basis of the plurality of reflected waves, and adjusts an angle of the probe in a third direction that is perpendicular to the first direction and that intersects the second direction on the basis of the number of junctions or non-junctions detected at the plurality of points.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202017007424 A

(19) INDIA

(22) Date of filing of Application :21/02/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : PEPTIDE CONJUGATES, CONJUGATION PROCESS, AND USES THEREOF

(51) International classification	:C07C 323/58,C07K 7/08,C07K 1/36,C07K 19/00,A61K 39/02	(71) <b>Name of Applicant :</b> <b>1)AUCKLAND UNISERVICES LIMITED</b> Address of Applicant :Level 10 49 Symonds Street Auckland, 1010 New Zealand
(31) Priority Document No	:735008	(72) <b>Name of Inventor :</b>
(32) Priority Date	:30/08/2017	<b>1)BRIMBLE, Margaret Anne</b>
(33) Name of priority country	:New Zealand	<b>2)DUNBAR, Peter Roderick</b>
(86) International Application No Filing Date	:PCT/IB2018/056611 :30/08/2018	<b>3)WILLIAMS, Geoffrey Martyn</b>
(87) International Publication No	:WO/2019/043604	<b>4)VERDON, Daniel</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to peptide conjugates, methods for making peptide conjugates, conjugates produced by the methods, and pharmaceutical compositions comprising the conjugates. Methods of eliciting immune responses in a subject and methods of vaccinating a subject, uses of the conjugates for the same, and uses of the conjugates in the manufacture of medicaments for the same are also contemplated.



No. of Pages : 167 No. of Claims : 135

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007425 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : DEVICE FOR COATING CONTAINERS

(51) International classification	:B23Q 7/00,B65G 47/00,B65D 23/08,C23C 16/04	(71) <b>Name of Applicant :</b> <b>1)KHS CORPOPLAST GMBH</b> Address of Applicant :Meiendorfer Strae 203 22145 Hamburg Germany
(31) Priority Document No	:10 2017 120 649.3	(72) <b>Name of Inventor :</b>
(32) Priority Date	:07/09/2017	<b>1)KONRAD, Joachim</b>
(33) Name of priority country	:Germany	<b>2)KYTZIA, Sebastian</b>
(86) International Application No Filing Date	:PCT/EP2018/074079 :07/09/2018	<b>3)HERBORT, Michael</b>
(87) International Publication No	:WO/2019/048585	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a device for coating containers by means of a coating method, comprising a carrier frame (1), the outer dimensions of which are less than the inner dimensions of an ISO container, the following regions being present within the carrier frame (1): a conveying region (3), in which a conveying device for the containers is arranged; a treatment region (5), in which a container treatment unit for coating the containers is arranged; a transfer region (4), in which a transfer device is arranged, which moves the containers between the conveying device and the container treatment unit; a maintenance region (6) easily accessible from outside, in which no components are arranged; an electronics region (7), in which a switchgear cabinet for the electronics of the components of the device is arranged; a process-gas processing region (8), in which the components for handling the process gas for the coating method are arranged; a vacuum pump region (9), in which vacuum pumps for producing the vacuum needed for the coating method are arranged; wherein the components arranged in the mentioned regions do not protrude beyond the region defined by the outer dimensions of the carrier frame (1).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007428 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : ENERGY ACCUMULATOR FOR STORING ELECTRICAL ENERGY AS HEAT AND METHOD FOR THIS PURPOSE

(51) International classification	:F01K 3/14,F01K 3/18,F28D 20/00	(71) <b>Name of Applicant :</b> <b>1)LUMENION GMBH</b> Address of Applicant :Tempelhofer Weg 11-12 10829 Berlin Germany
(31) Priority Document No	:17184877.3	
(32) Priority Date	:04/08/2017	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/EP2018/069446 :17/07/2018	<b>1)ZWINKELS, Andrew</b>
(87) International Publication No	:WO/2019/025182	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an energy accumulator for storing electrical energy in the form of heat energy, comprising an electric heater for converting electrical energy into heat energy, a heat accumulator for storing the heat energy of the electric heater, and a heat exchanger for emitting heat energy of the heat accumulator. The heat accumulator comprises, at least, multiple metal rods arranged upright and serving to store heat energy of the electric heater; a base; and multiple support units, wherein each support unit supports one of the metal rods and is connected to the base. The invention also relates to a corresponding method for operating an energy accumulator of this type.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007429 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : MOLTEN STEEL MANUFACTURING FACILITY AND MOLTEN STEEL MANUFACTURING METHOD

(51) International classification	:C21B 13/00,C07C 41/01,C07C 43/04,C07C 29/151,C07C 31/04	(71) <b>Name of Applicant :</b> <b>1)POSCO</b> Address of Applicant :(Goedong-dong) 6261, Donghaean-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do 37859 Republic of Korea
(31) Priority Document No	:10-2017-0106421	(72) <b>Name of Inventor :</b>
(32) Priority Date	:23/08/2017	<b>1)SHIN, Myoung Kyun</b>
(33) Name of priority country	:Republic of Korea	<b>2)KO, Chang Kuk</b>
(86) International Application No Filing Date	:PCT/KR2017/014398 :08/12/2017	
(87) International Publication No	:WO/2019/039666	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A molten steel manufacturing facility according to an embodiment of the present invention comprises: a molten steel manufacturing apparatus having a melting gasification furnace for melting reduced steel to manufacture molten steel; and a gas treatment apparatus for producing a raw material by a synthesis reaction using CO and H<sub>2</sub> in the gas exhausted from the molten steel manufacturing apparatus. Therefore, according to embodiments of the present invention, any one high value-added chemical raw material of dimethyl ether, methanol, and ethanol can be produced by recycling surplus gas generated from the molten steel manufacturing apparatus. Therefore, the molten steel manufacturing facility shows greatly improved economic efficiency compared with the prior art and can produce a chemical raw material at a low cost compared with the production of a chemical raw material in the prior art, thereby ensuring cost competitiveness.



No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007431 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ELECTRONIC DEVICE INCLUDING PRINTED CIRCUIT BOARD

(51) International classification	:H01Q 1/24,H05K 1/11,H05K 3/32,H01Q 9/04
(31) Priority Document No	:10-2017-0117584
(32) Priority Date	:14/09/2017
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2018/009730 :23/08/2018
(87) International Publication No	:WO/2019/054662
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

**1)SAMSUNG ELECTRONICS CO., LTD.**

Address of Applicant :129, Samsung-ro, Yeongtong-gu  
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(72)Name of Inventor :

- 1)JEON, Seung Gil**
- 2)KIM, Hyung Wook**
- 3)LEE, Jeong Heum**
- 4)LEE, Jong Hwan**
- 5)IM, Ho Young**

(57) Abstract :

An electronic device is provided. The electronic device includes a housing that includes a first surface, a second surface facing the first surface, and a side surface surrounding a space between the first and second surfaces, a printed circuit board (PCB) that is arranged inside the housing and includes at least one antenna unit, and a communication circuit that is arranged inside the PCB or between the PCB and the housing.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007441 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : APPARATUS AND METHODS FOR BIOPROCESSES AND OTHER PROCESSES

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(51) International classification	:C12M 1/34
(31) Priority Document No	:15/683235
(32) Priority Date	:22/08/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/047394
Filing Date	:21/08/2018
(87) International Publication No	:WO/2019/040535
(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 :600 Park Court Rohnert Park, CA  
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(72)**Name of Inventor :**

**1)SIMONYI, Victor**

**2)PICKLE, Darrin, Kurt**

**3)SMYTH, James**

**4)LOVE, Craig**

(57) Abstract :

Apparatus and methods for providing a single-use, disposable module or manifold for testing and analysis of bioprocesses, as well as a portable and compact device which can be used with the module or manifold. A module comprising a valve, a filter or guard column, an affinity column, and a flow cell is provided with several ports for receiving tubing connections for a sample and one or more solvents, and or more outlet ports for connections to one or more waste reservoirs. The flow cell may use UV light to determine a protein concentration of a sample. The disposable module can be connected to a bioreactor containing the bioprocess and material to be sampled. In addition, manifolds are provided which can be embodied as a valve assembly, and which can comprise the same components and features as the disposable module.



No. of Pages : 63 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007443 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : ALKYL-MODIFIED CARBOXYL GROUP-CONTAINING COPOLYMER, THICKENER CONTAINING SAID COPOLYMER, AND METHOD FOR PREPARING SAID COPOLYMER

(51) International classification	:C08F 220/06,B01F 17/52,C08L 33/02,C09K 3/00	(71) <b>Name of Applicant :</b> <b>1)SUMITOMO SEIKA CHEMICALS CO., LTD.</b> Address of Applicant :346-1, Miyanishi, Harima-cho, Kako-gun, Hyogo 6750145 Japan
(31) Priority Document No	:2017-165399	(72) <b>Name of Inventor :</b>
(32) Priority Date	:30/08/2017	<b>1)KIYOMOTO, Rie</b>
(33) Name of priority country	:Japan	<b>2)NISHIGUCHI, Satoshi</b>
(86) International Application No Filing Date	:PCT/JP2018/031290 :24/08/2018	<b>3)MURAKAMI, Ryosuke</b>
(87) International Publication No	:WO/2019/044679	<b>4)HASHIMOTO, Naoyuki</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is an alkyl-modified carboxyl group-containing copolymer with which a neutralized viscous liquid can be prepared which has excellent dispersibility in water, has a viscosity that does not change greatly regardless of addition of an electrolyte, and has high transparency in the presence of an electrolyte. This alkyl-modified carboxyl group-containing copolymer contains: 100 parts by mass of a (meth)acrylic acid; 1.5-4.5 parts by mass of a (meth)acrylic acid alkyl ester, in which an alkyl group has 18-24 carbon atoms; and 0-0.1 parts by mass of a compound having two or more ethylenically unsaturated groups, wherein the copolymer contains 1.5-4.5 parts by mass of a nonionic surfactant.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007457 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : GYRO GLIDER ROTATIONALLY BALANCED AROUND THE CIRCUMFERENCE

(51) International classification	:A63H 27/00,B64C 27/02	(71) <b>Name of Applicant :</b> <b>1)KOCA, Zafer</b> Address of Applicant :Jandarma Hava Grup Komutanligi 7. Kolordu ici /yenisehir/Diyarbakir Diyarbakir Turkey DIYARBAKIR Turkey
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/IB2017/055451	<b>2)SOKMEN, Serdar Kadir</b>
Filing Date	:10/09/2017	<b>3)VATA, Celal Korkut</b>
(87) International Publication No	:WO/2019/048916	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)KOCA, Zafer</b>
Filing Date	:NA	<b>2)SOKMEN, Serdar Kadir</b>
(62) Divisional to Application Number	:NA	<b>3)VATA, Celal Korkut</b>
Filing Date	:NA	

(57) Abstract :

The invention of interest aims to further improve the controllability of the gyro-plane design against random wind fluctuations with an improved, adjustable auto-center-gravity design. The particular design auto correctes the shift in the center of gravity and the direction of the side thrust engine automatically on the same frame. The design of interest is best suited for hovering gyro systems without ground tethering. Due to the novel design an airfloating gyro object is best positioned to the side winds with adjusted directional thrust and corrected center of gravity in real-time. The invention can be best described as a gyrokite with a balanced tail without ground thetethering. The particular invention is also suitable for non- hovering, non-fixed power flights with superior balance. Obviously, the invention is not limited to the embodiments described in exemplified manner herein before and covers all variants there of. Thus, the described balancing circle around the geometric center of the gyroplane with a freely slide rotating weight balance (engine) could be a design of a semicircle with various angular sections. The freely slide rotating weight balance (engine) with a propellar could be an electric, or a gas engine with a garden variety of power options, ranging from hover control to powered flight. The use of the invention is also not limited to the current technologies, only. An exemplar creative use would be a light weight air floating explosive design weighing less than 400 gr with solar panel or wind charging systems. In such a setting, after being released into the air from a fighter aircraft, these systems have the capacity to stay afloat on the same spot for months. When couled with minute explosives, the particular designes are swallowed by the engine of the coming fighter aircraft detonating in the engine. In a different setting, these systems could form a herd, a team of inter-communicating floating drones working towards the same goal. A team of intercommunicating gyroplanes can also be used to monitor wind speeds or else interlay internet or telephone communication on a fixed location and at a fixed altitude.



No. of Pages : 2 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007459 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : HOLDER FOR MOUNTING A SECOND PART ON A MAIN STRUCTURE BETWEEN CAR BODY ENDS OF A RAIL VEHICLE

(51) International classification	:B61G 3/16,B61G 5/08,B61G 5/10,B61G 9/20	(71) <b>Name of Applicant :</b> <b>1)DELLNER COUPLERS AB</b> Address of Applicant :Vikavgen 144 791 95 FALUN Sweden
(31) Priority Document No	:1751069-4	(72) <b>Name of Inventor :</b>
(32) Priority Date	:04/09/2017	<b>1)GRAHN, Arvid</b>
(33) Name of priority country	:Sweden	<b>2)HARRYSSON, Fredrik</b>
(86) International Application No Filing Date	:PCT/SE2018/050886 :04/09/2018	
(87) International Publication No	:WO/2019/045634	
(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 relates to a holder for mounting a second part on a main structure between car body ends of a rail vehicle, comprising -a first holding structure having a first contact surface, the first holding structure being configured to be attached to a main structure; -a second holding structure having a second contact surface, the second holding structure being configured to be attached to a second part, and the second holding structure further being arranged to be mounted on the first holding structure with one of the first and second contact surfaces resting on the other; -a fastening device for fastening the second holding structure to the first holding structure to form a mounted state, the first and second contact surfaces being pressed against each other in the mounted state, and wherein the first and second contact surfaces in the mounted state each extend at a first angle in relation to a horizontal axis, said first angle ( $\alpha$ ) being more than 1 degree and less than 30 degrees, and wherein the fastening device (53) extends in a direction parallel to or coinciding with the horizontal axis (A).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2020

(21) Application No.202017007460 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD AND SYSTEM FOR ESTIMATING THE EFFICIENCY OF THE LUNGS OF A PATIENT

(51) International classification	:A61B 5/08,A61B 5/0205,A61B 5/083
(31) Priority Document No	:62/542702
(32) Priority Date	:08/08/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2018/050957
Filing Date	:06/08/2018
(87) International Publication No	:WO/2019/028550
(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)GARRY, James**

**2)AYOUBI, Nathan**

**3)FREDRICK, Aron**

**4)ATSMA, Willem J.**

**5)CHRISTOFI, Nicolas**

**6)MCGREGOR, Hanna**

(57) Abstract :

The present disclosure relates to methods and systems for estimating an efficiency of lungs of a patient receiving respiratory care. A blender has a primary input port for receiving a first gas to be delivered to the patient and one or more secondary input ports for receiving a second gas to be delivered to the patient from one or more gas sources. A patient-side port of the blender delivers the first and second gases to the patient. A gas composition sensor measures a fraction of the first gas and a gas flow sensor measures a flow of the first gas. A controller causes a sequential delivery of the first and second gases to the patient and estimates a functional residual capacity of the patient based on measurements from the gas composition sensor and from the gas flow sensor. The controller may also estimate a cardiac output of the patient.



No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821006924 A

(19) INDIA

(22) Date of filing of Application :23/02/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : ALCOHOL FREE INJECTABLE COMPOSITION OF DICLOFENAC AND METHOD FOR PREPARATION THEREOF

(51) International :A61K0031196000,A61K0009000000,A61K0009200000,  
classification A01N0025300000,A61K0031728000

(31) Priority Document :NA  
No

(32) Priority :NA  
Date

(33) Name of priority :NA  
country

(86) International Application :NA  
No :NA

Filing Date

(87) International : NA  
Publication No

(61) Patent of Addition

to Application :NA  
Number :NA

Filing Date

(62) Divisional to Application :NA  
Number :NA

Filing Date

(71)Name of Applicant :

1)Kaisha Lifesciences Pvt. Ltd.

Address of Applicant :Survey no. 342/3 (77), Bharat Industrial Estate, Bhimpore, Nami Daman 396210, India Daman & Diu India

(72)Name of Inventor :

1)DADACHANJI, Rishad Kairus

2)RIVANKAR, Sangeeta Hanurmesh

3)DESAI, Ravi Pankajkumar

(57) Abstract :

ABSTRACT ALCOHOL FREE INJECTABLE COMPOSITIONS OF DICLOFENAC AND METHOD FOR PREPARATIONS THEREOF The present invention relates to a stable alcohol free pharmaceutical injectable formulation containing diclofenac or therapeutically equivalent amount of water soluble salt of diclofenac; at least one non-ionic solubilizer; optionally, a solubilizer, an anti-crystallizing agent, a chelating agent or any mixture thereof; and at least one pharmaceutically acceptable excipient. The present invention advantageously provides a stable formulation of diclofenac over a long period of time.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821008684  
A

(19) INDIA

(22) Date of filing of Application :09/03/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : PROCESS FOR PRODUCTION OF PETROCHEMICALS FROM CRACKED STREAMS

(51)

International :C10G0031110000,A23F0005280000,C10L0001020000,C10G0051020000,C10L0010020000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a process for production of High-Octane Gasoline blending component, Heavy Naphtha with high aromatic content and High Cetane Diesel from high aromatic middle distillate range boiling streams obtained from catalytic as well as thermal cracker units.



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

(71)Name of Applicant :

1)Indian Oil Corporation Limited  
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(72)Name of Inventor :

1)SARKAR, Mainak  
2)DAS, Nayan  
3)BUTLEY, Ganesh Vitthalrao  
4)KUMAR, Sarvesh  
5)YADAV, Rama Kant  
6)MAHINDRA, Pastagia  
Kashyapkumar  
7)SAU, Madhusudan  
8)BHATTACHARYYA, Debasis  
9)MAZUMDAR, Sanjiv Kumar  
10)RAMAKUMAR, Sankara Sri  
Venkata

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821008814 A

(19) INDIA

(22) Date of filing of Application :09/03/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CATALYST ADDITIVE COMPOSITION FOR REDUCTION OF SULFUR IN GASOLINE

(51)

International :C10G0011180000,C10G0011050000,B01J0029080000,B01J0035100000,B01J0021040000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(71)Name of Applicant :

1)Indian Oil  
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(72)Name of Inventor :

1)KARTHIKEYANI,  
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2)LOGANATHAN,

Kumaresan

3)PULIKOTTIL, Alex  
Cheru

4)SWAMY, Balaiah

5)SAU, Madhusudan

6)MAZUMDAR, Sanjiv  
Kumar

(57) Abstract :

The present invention relates to an improved CuAl<sub>2</sub>O<sub>4</sub> spinel based catalyst additive composition having bi-modal pore size for improving gasoline sulfur removal activity by maintaining high gasoline selectivity and maintaining research octane number (RON) while cracking heavier hydrocarbon feedstocks in the fluid catalytic cracking unit. More particularly, present invention relates to a gasoline sulfur reduction (GSR) additive comprising copper aluminate spinel, acidic alumina matrix; and clay, wherein the additive having bimodal pore distribution. Present invention also relates to a process for preparing the gasoline sulfur reduction (GSR) additive.

No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821008904 A

(19) INDIA

(22) Date of filing of Application :12/03/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : NANO PEROVSKITE MATERIALS AS COMBUSTION IMPROVER FOR LIQUID AND GASEOUS FUELS

(51)

International :B01J0023000000,H01M0004900000,C10L0001120000,C10L0001100000,B01J0023889000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Abstract of the Invention The present invention relates to use of Perovskite type of materials as combustion improver in gaseous and liquid fuels. Structurally, the Perovskite material consists of  $ABO_3$ ,  $AxB_{1-x}CyO_3$  or  $AxB_{1-x}CyO_3$  kind of material with stoichiometric deficiency and oxygen deficient sites. More particularly, the present invention relates to the nanosized perovskite materials stably dispersed in hydrocarbon medium and compatible to the fuel has been used to improve the combustion process and generate more heat output.

No. of Pages : 17 No. of Claims : 10

(71)Name of Applicant :

1)Indian Oil  
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Maharashtra India

(72)Name of Inventor :

1)OTA, Jyotiranjan  
2)HAIT, Samik  
Kumar  
3)SASTRY, Madhira  
Indu Sekhara  
4)KAPUR, Gurpreet  
Singh  
5)RAMAKUMAR,  
Sankara Sri Venkata

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821008923 A

(19) INDIA

(22) Date of filing of Application :12/03/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : COMPOSITION AND PROCESS THEREOF FOR CATALYST FOR HYDRO-CONVERSION OF LCO INVOLVING PARTIAL RING OPENING OF POLY-AROMATICS

(51)  
International :B01J0037200000,B01J0021160000,B01J0029160000,B01J0029800000,C10G0045080000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

The present invention relates to a catalyst composition and a process for preparing thereof, wherein the catalyst composition is specifically active for hydro-conversion of LCO involving mainly the partial ring opening of multi-ring aromatics leading to the production of petrochemical feedstock. The catalyst composition comprises of a carrier comprising ultra-stable Y zeolite and binder alumina, group VIB and VIIIB metal species, and organic additives. The carrier is impregnated with metal solution to form active sites of WS<sub>2</sub> slabs of dimensions in the range of 35-45 ....

(71)Name of Applicant :

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Address of Applicant :G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai-400 051, India Maharashtra India

(72)Name of Inventor :

1)KANTHASAMY, Ramasubramanian

2)XAVIER, Kochappilly Ouseph

3)PULIKOTTIL, Alex Cheru

4)SAU, Madhusudan

5)MAZUMDAR, Sanjiv Kumar

6)RAMAKUMAR, Sankara Sri Venkata



No. of Pages : 22 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821009599  
A

(19) INDIA

(22) Date of filing of Application :15/03/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : A BIO-ASSISTED PROCESS FOR CONVERSION OF MIXED VOLATILE FATTY ACIDS TO SELECTIVE DROP-IN FUELS

(51)

International :C12P0005020000,C12M0001107000,C12P0007640000,C12P0007400000,C12P0003000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a two-stage process for production of drop-in fuels/alcohols (methanol, ethanol or butanol) from volatile fatty acids produced either synthetically from fossil resources or as metabolic intermediates in acidification step of anaerobic digestion process from waste biomass and organic materials.



No. of Pages : 38 No. of Claims : 12

(71)Name of Applicant :

1)Indian Oil Corporation Limited

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(72)Name of Inventor :

1)KUMAR, Manoj

2)SRIKANTH, Sandipam

3)SINGH, Dheer

4)PURI, Suresh Kumar

5)RAMAKUMAR, Sankara Sri  
Venkata

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821010155 A

(19) INDIA

(22) Date of filing of Application :20/03/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : NANO-CRYSTALLITE BINDER BASED CO COMBUSTION PROMOTER

(51)

International :C10G0011180000,B01J0035100000,B01J0021040000,B01J0037020000,B01J0035000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to

Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

The present invention relates to catalyst product, a method of making a catalyst and its use in fluid catalytic conversion process. In particular, this invention relates to a process for the preparation of CO-combustion promoter microspheres, comprising a large crystallite low surface area alumina; a composite binder comprising nano-crystallite alumina and dispersant; and platinum or palladium or both. The large crystallite low surface area alumina is bound together by the composite binder in the said particulate composition.

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

(71)Name of Applicant :

1)Indian Oil  
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Address of Applicant  
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(72)Name of Inventor :

1)KUVETTU, Mohan  
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2)LOGANATHAN,  
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3)SARKAR, Biswanath  
4)SWAMY, Balaiah  
5)KARTHIKEYANI,  
Arumugam Velayutham  
6)PULIKOTTIL, Alex  
Cheru  
7)PANDEY,Vibhav  
8)MAZUMDAR, Sanjiv  
Kumar  
9)RAMAKUMAR,  
Sankara Sri Venkata

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821017417  
A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR LIQUID SIGNATURE ANALYSIS

(51)

International :G01N0013000000,G01F0023292000,G01N0021430000,G06T0007400000,G01N0021850000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Disclosed are a system (100) and a method for liquid signature analysis. The system (100) comprises a microcontroller (10), a camera (30), a light source (40) and a transparent tube (50). An intensity of the light source (40) varies along the transparent tube (50) and produces a natural difference in image intensity thereby helping in differentiating minor variations in the process fluid. The system (100) and method for liquid signature analysis are useful for testing physical properties like turbidity, color and texture of any liquid like water, fruit juice, paint, pharmaceutical liquids and any other chemical. Figure 1



No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821033531  
A

(19) INDIA

(22) Date of filing of Application :06/09/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : PROCESS FOR SELECTIVE PRODUCTION OF LIGHT OLEFINS AND AROMATICS FROM CRACKED LIGHT NAPHTHA

(51)

International :C07C0004060000,C10G0011050000,C10G0009000000,C10G0069060000,C10G0051020000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention provides a process for a production of light olefins and aromatics from cracked light naphtha by selective cracking. The present invention thus provides a process for up grading cracked olefinic naphtha to high value petrochemical feed stocks. This process is based on catalytic cracking in which the catalyst activity is optimized by depositing coke for production of light olefins and aromatics. The proposed process has high flexibility and can be operated either in maximizing olefins as reflected from the P/E ratio or in maximizing aromatics (BTX) at different modes of operation depending upon the product requirement.



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

(71)Name of Applicant :

1)Indian Oil Corporation Limited  
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(72)Name of Inventor :

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2)HARI PRASADGUPTA,  
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3)MAJI, Prosenjit  
4)KHAN, Shoeb Hussain  
5)DIXIT, Jagdev Kumar  
6)SINGH, Shakti  
7)MANNA, Reshma  
8)SAU, Madhusudan  
9)BHATTACHARYYA, Debasis  
10)MAZUMDAR, Sanjiv Kumar  
11)RAMAKUMAR, Sankara Sri  
Venkata

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821033799  
A

(19) INDIA

(22) Date of filing of Application :07/09/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : A PROCESS FOR BIO-SLUDGE REDUCTION IN HYDROCARBON REFINERY EFFLUENT TREATMENT PLANT THROUGH MICROBIAL INTERVENTIONS

(51)

International :C02F0003340000,C12N0001200000,C12R0001070000,A01N0063020000,A01N0063000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A process for treatment of hydrocarbon refinery wastewater producing a low bio-sludge and said process comprises utilizing microbial consortia comprising at least one species of Pseudomonas and at least one species of Bacillus in a ratio of 10:1 to 1:10, wherein species of Pseudomonas and species of Bacillus have constitutive expression of at least one hydrocarbon degrading gene, wherein the species of Pseudomonas are selected from the group consisting of Pseudomonas stutzeri (MTCC 25027), Pseudomonas aeruginosa (MTCC 5389), Pseudomonas aeruginosa strain IOC DHT (MTCC 5385), Pseudomonas putida IOCRI (MTCC 5387), Pseudomonas putida IOC5al (MTCC 5388) and a mutant thereof, wherein the species of Bacillus are selected from the group consisting of Bacillus subtilis (MTCC 25026), Bacillus substillis (MTCC 5386), Bacillus thermoleovorans (MTCC 25023), Bacillus stearothermophilus (MTCC 25030), Lysinibacillus sp. (MTCC 25029), Lysinibacillus sp. (MTCC 5666) and a mutant thereof, and wherein the microbial consortia is used in concentration of at least 102 cfu/ml.

(71)Name of Applicant :

1)Indian Oil Corporation Limited  
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Yavar Jung Marg, Bandra (East),  
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1)KUMAR, Manoj  
2)SAHOO, Prakash Chandra  
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No. of Pages : 29 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2018

(21) Application  
No.201821042098 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : STABILIZED AQUEOUS ORAL SPRAY OF MELATONIN

(51)  
International :A61K0031404500,A61K0047120000,A61K0047100000,A61K0047180000,A61K0009080000  
classification  
(31) Priority  
Document :NA  
No

No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

The present invention relates to a stabilized composition of Melatonin. Particularly the present invention provides aqueous compositions comprising Melatonin, wherein the stability of the Melatonin is improved.

No. of Pages : 21 No. of Claims : 9

(71)Name of Applicant  
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1)WALPAR  
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Road, Santej, Kalol,  
Gujarat India

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2)TANMAY SHAH

3)KALPESH  
LADHAWALA

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2018

(21) Application  
No.201821042102 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : VERNACULAR EVENT RADIO RECEIVER

(51)  
International :H03J000100000,H04H0060460000,H04H0060370000,H04H0060910000,H04H0060650000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(71)Name of Applicant  
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**1)Harkunwar Singh  
Sethi**

Address of Applicant  
:5/12, Opposite Vice  
Chancellor™s  
Bungalow, Pachpedi,  
Jabalpur, Madhya  
Pradesh. Madhya  
Pradesh India

(72)Name of Inventor :

**1)Harkunwar Singh  
Sethi**

(57) Abstract :

VERNACULAR EVENT RADIO RECEIVER The embodiments provide a radio receiver configured to be tuned for an event-specific broadcast. A radio receiver comprises a reception unit configured to receive a plurality of frequencies, a Mode-Selection Switch configured to toggle operation of the radio receiver between a Radio Stations Broadcasting Mode and a Vernacular Event Broadcasting Mode, a rotatable knob having multiple presets configured to select a pre-defined frequency of Radio Broadcasting Station when in the Radio Stations Broadcasting Mode wherein each preset is configured to a particular radio station broadcasting frequency and select a plurality of broadcasts of an event in multiple vernaculars wherein each preset is aligned to a corresponding vernacular broadcast of the event, an Audio housing configured to output the received broadcasted content, and a battery module housed inside the radio receiver.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042152 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : FORMULATION FOR REDUCING EFFECTS OF AIR POLLUTION ON HUMAN BODY

(51)  
International :A61B0005080000,B01D0053560000,G01N0033000000,A41D0013110000,B01D0053500000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(71)Name of Applicant  
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1)SHARDUL  
SHIVRUP PATHAK  
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DNYANESH  
SOCIETY WARJE  
MALWADI PUNE PIN  
CODE 411058  
Maharashtra India

(72)Name of Inventor :

1)SHARDUL  
SHIVRUP PATHAK

(57) Abstract :

Title Formulation for reducing effects of air pollution on human body Abstract Nowadays air pollution has become major concern for health. Air pollution mainly includes Particulate matter, Ozone (O<sub>3</sub>), Nitrogen oxide(No<sub>2</sub>), Sulphur dioxide (SO<sub>2</sub>) Air pollution exposure may lead to symptoms like wheezing, Cold, Cough, Chest discomfort, Shortness of breath, i.e. Various diseases of upper respiratory tract, Lower respiratory tract, dementia, Irritation of eyes or the like. Particulate matter is common proxy indicator for air pollution. Particulate matter affects more people than other pollutant. Particulate matter may be of any size from less than or equal to 0.0001 microns and more than or equal to 1000 microns. This formulation can help a human being to reduce effect of air pollution on human body.

No. of Pages : 7 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042154 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : APPARATUS AND PROCESS FOR PROCESSING OF GLASS CONTAINERS AND PROCESS FOR MANUFACTURING GLASS CONTAINERS INCLUDING SUCH A PROCESSING

(51)  
International :B65B0007280000,B65D0071080000,C03C001500000,G01N0035100000,A61J0001160000  
classification  
(31) Priority

Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)

International  
Application :NA  
No :NA

Filing

Date

(87)

International  
Publication : NA

No

(61) Patent

of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

Discloses an apparatus and process for processing outer surfaces of glass containers (50) for use in pharmaceutical, medical or cosmetic applications, said glass containers (50) having a cylindrical main body (52). The process comprises: providing (S1) a plurality of containers (50); separating individual containers from said plurality of containers (50); and sequentially conveying said individual containers (50) through a processing station (1; 61). In the processing station (1; 61), the individual containers (50) are rotated about a longitudinal axis thereof while outer surfaces of the cylindrical main bodies (52) are in contact with a scrubbing member (27; 30, 35), for reducing an adhesive surface behavior of the outer surfaces of the cylindrical main bodies (52) of the individual containers. In this manner the surface properties of glass containers may be enhanced significantly with a cost-efficient and simple processing to thereby prevent undesired "stickiness behavior™" of the glass containers.

(71)Name of Applicant :

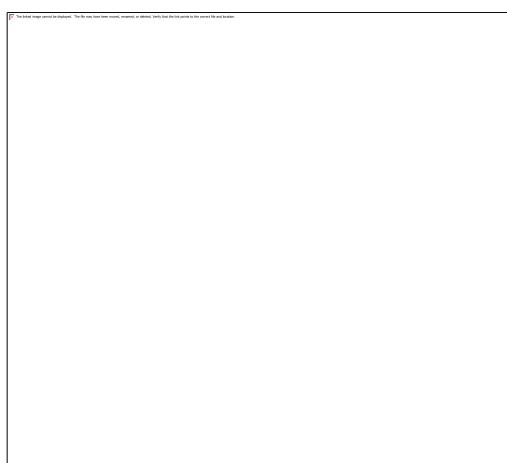
1)Schott Kaisha Pvt. Ltd.

Address of Applicant :70 Nagindas Master Road, Fort, Mumbai - 400023,  
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(72)Name of Inventor :

1)NARVEKAR, Anil Narayan

2)POTDAR, Pratul Prakash



No. of Pages : 54 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042220 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : HYDROCARBON DOSING SYSTEM

(51)

International :B01D0053940000,F01N0003200000,F01N0003025000,B01F0015040000,F01N0003360000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present disclosure relates to a hydrocarbon dosing system to control dosing of diesel fuel into an exhaust upstream of a vehicle™s oxidation catalyst (VOC). The system 100 includes separate inlets(102, 104)to allow inflow of a first fluid and the second fluid into the system, and an outlet 116. The first fluid configured to facilitate purging of the second fluid into the VOC through the outlet 116. The system 100 incorporates multiple valves (106, 108, 112)and pressure sensor 114 to control dosing and purging of the fluids. The system 100 provides an intrinsic non-return valve mechanism to restrict the flow of the first fluid into a fluid path of the second fluid, and vice versa. The system 100 provides intrinsic pressure relief mechanism for controlled release of pressure from system 100. The system 100 includes additional optional check valves 208 and filter screens 206 for redundancy purposes.

(71)Name of Applicant :

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(72)Name of Inventor :

1)Mr. Nirav Shah



No. of Pages : 41 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2018

(21) Application  
No.201821042226 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CLOUD BASED SINGLE REMOTE DISPLAY SYSTEM FOR LIVERATES AND MULTIPLE DISPLAY APPLICATIONS.

(51) International :G06F0003140000,H04N0021658000,H04N0009120000,H04W0088060000,G09G0005395000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)Bharat Manharlal Parikh</b> Address of Applicant :102, Sardar Center Opp. Vastrapur Lake, Vastrapur, Ahmedabad Gujarat India (72)Name of Inventor : <b>1)Bharat Manharlal Parikh</b>
--	--

(57) Abstract :

This remote type single display innovation solves problem of keeping multiple display devices for different applications like live rates ,Picture display, Moving message display, Audio information, Video clips and picture scroller. This system is integrated with cloud base set up.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2018

(21) Application  
No.201821042246 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : PARKING SYSTEM FOR SINGLE PARKING SLOT WORKSTHROUGH SCANNING OF UNIQUE DISPLAY IDENTIFICATION CODED BOARD.

(51)

International :G08G0001140000,G07C0001300000,H04M0017000000,G07B0015020000,H04W0074040000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A low-cost prepaid parking system for single parking slot. which works through unique display board fixed in the particular parking slot and mobile App. as a display code scanner. App. is connected to central data center which shows real time available parking slots on the map. Once the display code is scanned user identity is registered and particular slot is occupied till user scan it again as a log out time. Prepaid parking accounts are opened on-line through web site portal or at concern offices.



No. of Pages : 13 No. of Claims : 5

(71)Name of Applicant :

**1)BHARAT MANHARLAL  
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2018

(21) Application  
No.201821042261 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CLOUD BASED SINGLE REMOTE DISPLAY SYSTEM FOR LIVERATES AND MULTIPLE DISPLAY APPLICATIONS.

(51)  
International :G06F0003140000,G11B0027340000,H04N0021658000,B60Q0001000000,H04W0008260000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

This remote type single display innovation solves problem of keeping multiple display devices for different applications like live rates ,Picture display, Moving message display, Audio information, Video clips and picture scroller. This system is integrated with cloud base set up.

No. of Pages : 6 No. of Claims : 4

(71)Name of Applicant  
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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042263 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : NON DESTRUCTIVE GOLD PURITY TESTING DEVICE.

(51)

International :G01N0027900000,G11B0027034000,G01N0029220000,G01N0029040000,G01B0015020000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

This innovation provide most economical testing substitute for instant, automatic, accurate and non destructive gold ornament purity test.



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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2018

(21) Application No.201821042274 A

(43) Publication Date : 15/05/2020

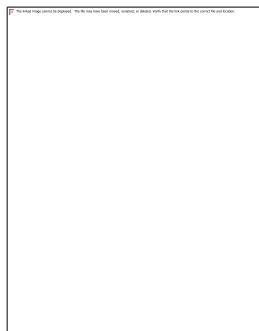
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(54) Title of the invention : MY ECOSEED FLAGSTICK

(51) International classification	:F23B 12/00	(71)Name of Applicant : <b>1)SANJAY MADHUKAR KHANDARE</b> Address of Applicant :15/3, CHANDRODAYA CHS, SWASTIK PARK, CHEMBUR, MUMBAI-400 071, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72)Name of Inventor : <b>1)SANJAY MADHUKAR KHANDARE</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

ECOSEED FLAGSTLCK IS AN IDEA OS MAKING SEED HOLDER PAPER STRAW WHICH WILL ACT AS STICK FOR THE FLAG .THE FLAG WHICH PEOPLE GENERALLY IGNORE AFTER SOME DAYS ,INSTEAD THEY WILL SOW THIS AND GET THEMSELVES A SMALL USEFUL PLANT THE INVENTION AND CONCEPT TO SUPPORT, CONSERVE AND RESTORE NATURE. SIMPLE DESIGN AND TECHNOLOGY OF FARMING AND PLANTATION THROUGH A COMMON HOUSEHOLD IGNORED PAPER STRAW.



No. of Pages : 5 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042326  
A

(19) INDIA

(22) Date of filing of Application :10/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : TRASH CAN ASSEMBLY WITH ANIMAL SAFETY AND OPERATION METHOD THEREOF

(51)

International :B65F0001160000,G08B0013196000,A61B0005110000,B65F0001140000,B02C0018000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

TRASH CAN ASSEMBLY WITH ANIMAL SAFETY AND OPERATION METHOD THEREOF The present invention relates to a trash can assembly (100) with animal safety, and method of operating the same, comprising of: a first sensor (101) which is positioned inside a trash can, which senses the animal movement; a second sensor (102) which is positioned on a lid of the trash can, which differentiate the movement of animal and garbage; a actuator (105) connected with the lid of the trash can for actuating movement of said lid; and a controller (103) controls the actuator (105) through a motor drive (104) to open and close the lid of the trash can based on output from the first sensor (101) and second sensor (102). The controller (103) based on output from the first sensor (101) and second sensor (102) provides alert signal to the surrounding area of the trash can through a buzzer (106). Figure to be included with abstract: [Figure 1]

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No. of Pages : 16 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2018

(21) Application  
No.201821042341 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : NOVEL SYNERGISTIC PESTICIDAL COMPOSITION OF PACLOBUTRAZOL

(51)  
International :A01N0037460000,A01N0043320000,A01N0043280000,A01N0043900000,A01N0047140000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

**ABSTRACT:** A novel synergistic pesticidal composition comprising Paclobutrazol and one more active ingredient selected from Mancozeb, Propineb, Folpet, Captan, Captafol, Dithianon, Sulphur, Metalaxyl M, Azoxystrobin, Picoxystrobin, Isoprothiolane, Tricyclazole, Hexaconazole, Validamycin with one or more inactive ingredients. The present invention also relates to process for preparing the said novel synergistic composition comprising Paclobutrazol and one more active ingredient selected from Mancozeb, Propineb, Folpet, Captan, Captafol, Dithianon, Sulphur, Metalaxyl M, Azoxystrobin, Picoxystrobin, Isoprothiolane, Tricyclazole, Hexaconazole, Validamycin with one or more inactive ingredients.

No. of Pages : 52 No. of Claims : 9

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/11/2018

(21) Application No.201821042375 A

(43) Publication Date : 15/05/2020

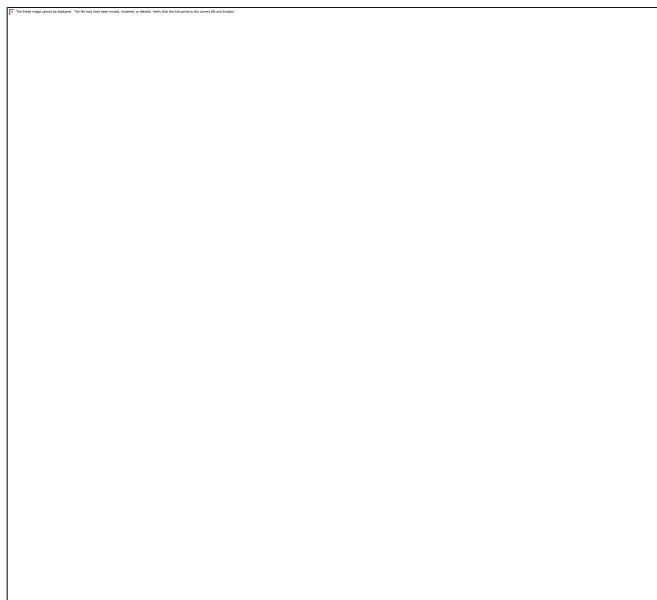
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(54) Title of the invention : PORTABLE DRUM KIT

(51) International classification	:A61F 17/00	(71) <b>Name of Applicant :</b> <b>1)JAY JAYANTH MURTHY</b> Address of Applicant :GURUPRASAD, C-10/3, SHANTIVAN SOCIETY, HL COMMERCE COLLEGE ROAD, AHMEDABAD-380006, GUJARAT, INDIA Gujarat India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)JAY JAYANTH MURTHY</b>
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 portable drum kit is disclosed. The disclosed drum kit comprising a base; musical instruments comprising one or more drums and at least one cymbal to be fitted on the base; one or more vertical columns fixed to the base to support at least one of the musical instruments at; one or more rod members detachably coupled to the one or more musical instruments; and at least one pair of modular clamps adapted to enable fitment of the least one of the one or more drums and the at least one cymbal to the vertical columns. The modular clamps allow movement of the musical instruments between an collapsed position in which the drums and the cymbal are placed closer to each other, and a deployed position in which the drums and the cymbal are placed at desired positions to allow a percussionist to use the drum kit.



No. of Pages : 46 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/11/2018

(21) Application  
No.201821042392 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : AUTOMATED PNEUMATIC TUBING SYSTEM

(51)

International :A61M0001360000,A61M0001340000,H04R000300000,A47J0031400000,E04H0001120000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

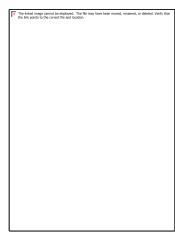
Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

ABSTRACT AN AUTOMATED PNEUMATIC TUBING SYSTEM An automated pneumatic tubing system (100), the system comprises tubes (110) having changeable interconnections spread in departments in a facility, thereby covering each of departments, containers (112) adapted to move in any of tubes (110), one or more pumps (114) connected with tubes (110), configured to generate a pneumatic pressure inside tubes (110), sending modules (116), disposed at respective ends of each of tubes (110) and configured to send containers (112), receiving modules (118), disposed at respective ends of each of tubes (110), configured to receive containers (112) using tubes (110), interface modules (120), provided with the respective plurality of sending modules (116) and configured to select and allocate a receiving module of receiving modules (118) to receive containers (112) and a processing module (122) configured to set changeable interconnections of tubes (110) and operate the one or more pumps (114) after selection and allocation of the receiving module. [FIGURE 1]



No. of Pages : 21 No. of Claims : 10

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042451  
A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : AN ACTIVE FLOW CONTROL APPARATUS FOR A TURBINE

(51)

International :F03B001310000,F03B0017060000,B04C001100000,F04D0029680000,F04D0029620000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention provides an active flow control apparatus for a turbine. The apparatus includes a shroud placed adjacent to the turbine, an outer frame rigidly mounted on shroud, an inner frame positioned concentrically within the outer frame, at least one vane rotatably mounted radially between the inner frame and the outer frame and means for oscillating the vane about an axis substantially perpendicular to axis of the shroud. Fluid passing through the channel is compressed between the inner surface of the shroud and the oscillating vane causing increase in speed of the fluid prior to the fluid hitting part of the blades of the turbine. In an embodiment of the invention, the shroud is generally cylindrical in shape, the outer and inner frames are generally hexagonal in shape. Reference Figure 1

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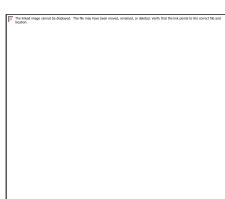
2)Abhishek Chaudhary

3)Naman Gupta

4)Rishabh Goyal

5)Pranit Bhandari

6)Shantanu Tripathi



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042455 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD FOR SYNTHESIS OF GRAPHENE QUANTUM DOTS

(51)  
International :C25B0003020000,C01B0032182000,C01B0032184000,C25B0001000000,B82Y0040000000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
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Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

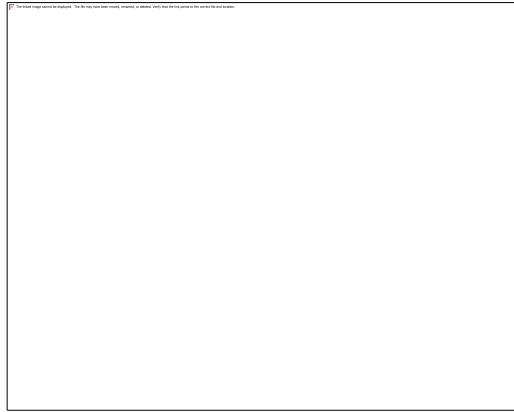
Filing

Date

(57) Abstract :

Embodiments herein provide a method for synthesis of graphene quantum dots. Predefined quantity of Graphene Oxide (GO) is deposited on a glassy carbon electrode (GCE) by using a microtip. An electrochemical oxidation of the GO deposited on the GCE is performed at a predefined voltage. The electrochemical oxidation is performed in a three-electrode system and with a preselected electrolyte. The electrochemical oxidation is performed at one or more oxidation time intervals. Potential is fixed to a predefined fixing value for a predefined time for obtaining size tunable Graphene Quantum Dots (GQD).

FIG. 1



No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042502 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : A SYSTEM AND A METHOD FOR FACILITATING REAL WORLD TRAINING TO A USER

(51)  
International :H04W0004029000,A63B006900000,A63B002400000,A63B0071060000,G01S0013870000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)

International : NA  
Publication  
No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

Disclosed is a system and method for facilitating real world training to a user. As soon as the user receives the ball passed by the ball launcher, the movable objects acting as movable targets and movable defenders are lighted. The colour of the light of the movable targets and movable defenders changes based on factors like position, time and pressure. Further, the system tracks movement of the user and the ball by using various sensors. Based on the tracking, the system analyses number of hits given by the user while hitting the ball into the movable targets when the one or more movable targets are at a particular colour. Further, based on the analysis, the system generates a score and user report for the user. The score and the user report indicate user™s performance while hitting the ball into the movable targets. [To be published with Fig. 1]



No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2018

(21) Application  
No.201821042538 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : FROZEN DESSERT COMPOSITIONS AND PROCESS OF PREPARATION THEREOF

(51) International :A61K0031704000,A61K0031047000,C11D0001720000,A61K0047600000,C12N0015110000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)DR.</b> <b>NANDKUMAR N.</b> <b>SAWANT</b> Address of Applicant :Parvatibai Chowgule College of Arts and Science Autonomous, Gogol Margao, Goa-403602 Goa India <b>2)DR. R</b> <b>KANCHANA</b> (72)Name of Inventor : <b>1)DR.</b> <b>NANDKUMAR N.</b> <b>SAWANT</b> <b>2)DR. R</b> <b>KANCHANA</b>
--	---

(57) Abstract :

The present disclosure provides a frozen dessert composition comprising: a) a non-dairy base component having a weight percentage in a range of 75-85% in the composition; b) a fruit based natural flavoring agent having a weight percentage in a range of 5-10% in the composition; c) a food additive having a weight percentage in a range of 1-5% in the composition; d) a thickening agent having a weight percentage in a range of 1-5% in the composition; e) a sweetening agent having a weight percentage in a range of 5-10% in the composition; and f) optionally a coloring agent having a weight percentage in a range of 1-5% in the composition. The present disclosure also provides a convenient process for preparation of the frozen dessert composition.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042539 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : BAKED PRODUCTS AND PROCESS OF PREPARATION THEREOF

(51)  
International :A21D001000000,A21D0002180000,A21D0002260000,C09D0005320000,C11D0001720000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(57) Abstract :

The present disclosure provides a composition for baked products comprising: a) flour having a weight percentage in a range of 20-30% in the composition; b) soy protein isolate having a weight percentage in a range of 20-30% in the composition; c) fiber having a weight percentage in a range of 45-55% in the composition; and d) a nutritional enhancer obtained from a plant extract, wherein the nutritional enhancer having a weight percentage in a range of 10-15 % in the composition. The present disclosure also provides a convenient process for preparation of the baked product.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042540 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SOY PROUCTS AND PROCESS OF PREPARATION THEREOF

(51)

International :A23L0011000000,A23L0011300000,A23C0011100000,A23B0007060000,C02F0001020000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present disclosure provides a process for making a soy product, said process comprising: a) immersing soy beans in water; b) pulverizing the soy beans, by physical treatment, to form soy chunks; c) heating the soy chunks for a predetermined time, to a temperature range of 80- 90°C, to inactivate the enzyme lipoxygenase; d) grinding the soy chunks obtaining in step c) with water to form a slurry; and e) processing the slurry to obtain the soy product.

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042541 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : NUTRACEUTICAL COMPOSITIONS AND PROCESS OF PREPARATION THEREOF

(51)

International :A23L0021120000,A61K0036185000,A61K0036537000,A23L0002020000,A61K0009060000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present disclosure provides a nutraceutical composition comprising: a) a fruit extract having a weight percentage of 60-70% in the composition; b) a nutritional enhancer comprising extracts from one or more plants; wherein the nutritional enhancer having a weight percentage in a range of 5-10% in the composition; c) a sweetening agent having a weight percentage of 10-20% in the composition; and d) optionally one or more additives having a weight percentage of 10-20% in the composition. The present disclosure also discloses a convenient process for preparation of the nutraceutical composition.

No. of Pages : 20 No. of Claims : 7

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2018

(21) Application  
No.201821042546 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : A SINGLE PHASE BRUSHLESS DC MOTOR

(51)

International :H02K0001140000,H02K0011215000,H02K0021140000,H02P0006140000,H02K0021220000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

**ABSTRACT** A SINGLE PHASE BRUSHLESS DC MOTOR The present disclosure relates to the field of electrical machines and discloses a single phase brushless DC (BLDC) motor (200). The motor (200) comprises a permanent magnet rotor (208), a stator armature (210), a dual winding, and a driving circuit (212). The dual winding is connected to a DC source (202) and comprises a first coil (Cl-1) and a second coil (Cl-2) wound around the teeth of the stator armature (210) in a bifilar manner. The driving circuit (212) receives a real-time feedback of rotor position. Based on the received feedback, the driving circuit (212) alternatively excites the first and second coils (Cl-1, Cl-2) for generating corresponding stator magnetic fields alternatively. The generated stator magnetic fields interact with the rotor<sup>TM</sup>s permanent magnetic field to produce a mechanical torque for rotor<sup>TM</sup>s rotation. The motor (200) and its simple driving technique eliminate the need for a sophisticated driving circuitry.



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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042575 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : FRUIT PRESERVE COMPOSITIONS AND PROCESS OF PREPARATION THEREOF

(51)

International :A23L0019000000,A23L0021120000,A23B0007154000,A23L0027300000,A23L0002600000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present disclosure provides a fruit preserve composition comprising: a) a fruit pulp of kiwi fruit and pineapple fruit, wherein the fruit pulp having a weight percentage of 90-95% in the composition; b) a sweetening agent having a weight percentage of 2-3% in the composition; and c) a natural preservative having a weight percentage of 3-5% in the composition. The present disclosure also provides a convenient process for preparation of the fruit preserve composition.

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No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042576 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : BAKED COMPOSITIONS AND PROCESS OF PREPARATION THEREOF

(51)  
International :A61B0017072000,C01G0051000000,A21D0002180000,A21D0002020000,A23L0027300000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(57) Abstract :

The present disclosure provides a baked composition comprising: a) a first flour comprising finger millet; b) a second flour; c) a fruit butter; d) at least one sweetening agent; e) at least one leavening agent; and f) at least one emulsifier. The present disclosure also provides a convenient process for preparation of the baked composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042577 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : DESSERT COMPOSITIONS AND PROCESS OF PREPARATION THEREOF

(51)

International :A23L0009100000,A23L0019000000,A23C0009123000,B01J0037020000,A61F0013534000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA

No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to  
Application :NA

Number :NA  
Filing

Date

(57) Abstract :

The present disclosure provides a dessert composition comprising: a) a fruit pulp of graviola, wherein the fruit pulp having a weight percentage of 40-45% in the composition; b) a sweetening agent having a weight percentage of 5-8% in the composition; and c) a milk base having a weight percentage of 55-60% in the composition. The present disclosure also provides a convenient process for preparation of the dessert composition.

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

(71)Name of Applicant :

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042616 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : ECO-FRIENDLY WELDABLE FABRIC AND METHOD THEREOF

(51)

International :B32B0038000000,D06N0003040000,D06N0003140000,B41M0005520000,B41M0005500000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

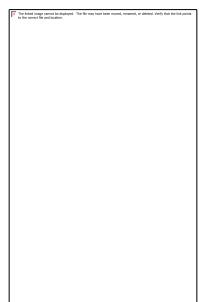
Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a weldable eco-friendly fabric (100). The fabric (100) includes a base fabric (110) having a first surface and a second surface. The first surface is coated with a prime coating (120) followed by a top coating (130). The second surface is coated with the top coating (130). The prime coating (120) and the top coating (130) are ink receptive acrylic based resins. The prime coating (120) forms an integral bond with the top coating (130) and the base fabric (110) that results in enhanced physical properties such as adhesion, scuffing, rubbing and scratches resistance and the like. FIG. 1 for publication



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

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042617  
A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : Receiver of coherent optical communication link and method of compensating carrier phase offset in receiver

(51)

International :H04B0010610000,H04L0027000000,H04B0010640000,H04L0007000000,H04L0027200000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA

No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

**ABSTRACT** Receiver of coherent optical communication link and method of compensating carrier phase offset in receiver • Embodiments herein disclose receiver of coherent optical communication link and method of compensating carrier phase offset in receiver. 90O optical hybrid is configured to receive input of reference optical carrier (LO) signal and modulated optical signal (S) and carrier phase offset detection block is configured to generate output signal representing average of the phase offset at the input of the carrier phase offset detection block. Electronic control unit configured to receive output signals from the carrier phase offset detection block for generating control signals and tunable phase delay block configured to receive the control signals from the electronic control unit. 90O optical hybrid, carrier phase offset detection block, electronic control unit and the tunable phase delay block are configured in feedback loop, such that outputs of the carrier phase offset detection block are used for tuning the phase delay of the tunable phase delay block to achieve carrier phase synchronization. FIG. 3



No. of Pages : 49 No. of Claims : 19

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042628 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD FOR FABRICATING PASSIVE POLYMERIC STRUCTURES OF SUB-WAVELENGTH DIMENSIONS USING DYELESS TWO PHOTON LITHOGRAPHY

(51)  
International :G03F0007000000,H05K0003280000,G02B0005180000,C09D0004000000,C09D013310000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

ABSTRACT Method for fabricating passive polymeric structures of sub-wavelength dimensions using dyeless two photon lithography Embodiments herein provide a method for fabricating passive polymeric structures of sub-wavelength dimensions. The method includes preparing an acrylate mixture, where the acrylate mixture comprises of acrylate monomers and a photo initiator. Further, the method includes spin coating the acrylate mixture over a transparent substrate and patterning the transparent substrate using two photon lithography by irradiating the coated transparent substrate with a laser source. Further, the method also includes removing un-polymerized acrylate mixture to obtain free standing polymeric structures of sub-wavelength dimensions. FIG.1

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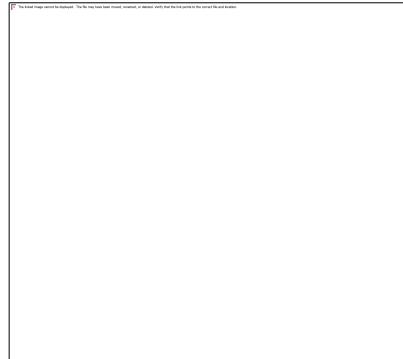
1)Shobha Shukla

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3)Raghvendra Pratap Chaudhary

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5)Govind Ummethala



No. of Pages : 34 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042679 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : SYSTEM FOR COMPUTATION OF FOOD AND FOOD INGREDIENTS

(51)  
International :C12N0015010000,C12R0001460000,G06Q0020100000,G06Q0010000000,A23C0009123000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
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2)Amit Jaydeepsingh Thakur

3)Nachiket Kishor Kulkarni

4)Kalpesh Vinayak Joshi

(57) Abstract :

Present invention provides a system for computation of food and food ingredients. The proposed system consists of the ARM microcontroller. It takes an input from the user through a keypad and thus to the machine the user has to select the required input for the system, the system provides the user with many food product options such as milk products, fermented products, bakery products, or literally any or every food product, and also can be used for industrial products. The system helps in making the desired food product with an accuracy of 95-99% of optimal taste and hygiene. Following invention is described in detail with the help of Figure 1 of sheet 1 showing the schematic block diagram of the proposed system.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042719 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SYSTEM FOR RAPID DIGITIZATION OF AN ARTICLE

(51)  
International :G06T0015100000,A41H0003000000,H04N0001028000,G01J0003440000,H04N0007240000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
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(62)  
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Application :NA  
Number :NA  
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(72)Name of Inventor :  
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(57) Abstract :

Disclosed is a system for rapid digitization of an article that provides a 3d image of an object, such as a clothing article, wherein the object can be virtually viewed from all sides to be viewed by the user. The system for rapid digitization is configured with two microprocessors for rapidly digitizing the clothing apparel into its equivalent 3d model. The system for rapid digitization is provided with a communication device that displays the status of the system and occurring defects are notified through the same. The system for rapid digitization provides a 3d .obj (object) file of the apparel thereby making it portable in nature. FIG. 1 (for publication)



No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042737 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : PROCESS AND COMPOUNDS FOR PREPARATION OF CANNABINOIDS

(51)  
International :C07D0311800000,A61K0031353000,C07D0405120000,A61K0031352000,C07C0205260000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
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(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)

International : NA  
Publication

No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

[0073] The invention involves condensation of various derivatives of cyclic alkene alcohols of Formula II or Formula III where, R1 is alkyl, aryl, alkyl aryl or heterocyclic carbamoyl. R2 is either R1 as mentioned earlier or an acyl group, -C(=O)-R3 where, R3 is selected from a group comprising (subst)C1-C12 alkyl, (subst)aryl, alkyl aryl with olivetol to get (-)-trans-9-tetrahydrocannabinol (also known as Dronabinol, Formula I). The process disclosed provides high purity of dronabinol at crude stage making it easy for purification.



No. of Pages : 30 No. of Claims : 28

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application No.201821042792 A

(43) Publication Date : 15/05/2020

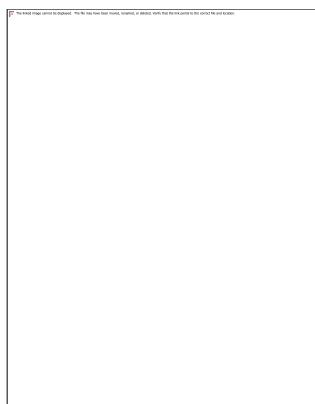
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(54) Title of the invention : MSC-LIPSTICK : MULTIPLE COLORED LIPSTICKS IN ONE STICK

(51) International classification	:A61Q1/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PROF. DR. REENA SINGH
(32) Priority Date	:NA	Address of Applicant :ABHALASHI UNIVERSITY, CHAIL CHOWK, TEHSIL, CHACHYOT, MANDI, HIMACHAL PRADESH - 175028, INDIA Himachal Pradesh India
(33) Name of priority country	:NA	2)MISS. MAMTA RAJKAMAL SHARMA
(86) International Application No	:NA	3)ER. ADITYA RAJKAMAL SHARMA
Filing Date	:NA	4)DR. BIPLAB KUMAR SARKAR
(87) International Publication No	: NA	5)MR. PAWAN KUMAR SINGH
(61) Patent of Addition to Application Number	:NA	6)MS. PARI NIDHI SINGH
Filing Date	:NA	7)MRS. GEETA
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
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		4)DR. BIPLAB KUMAR SARKAR
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		7)MRS. GEETA

(57) Abstract :

This invention gives females lots of benefits as lipstick is an important part of females life, as it will help females to carry a single lipstick instead of carrying many lipsticks for multiple colors. Also females dont use the entire color (i.e. fatty base stick) in the lip stick provided by the company, as different colors are available in lipsticks and mostly matching colors are worn normally. This invention provides the multi color lipstick which will be very useful to avoid the wastage of lip color and effortless to search the one in many colors which is kept unused and wasted as not used before expiry. A lipstick is provided formulated to include a wax and a phytosphingosine type ceramides. The ceramides improves wear ability of the lipstick. Wear ability may be further improved through inclusion of a polyamide resin which also achieves increase in gloss/shine.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201821042829 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : MIX SOLVENT COMPOSITION AND METHOD OF PREPARATION THEREOF

(51) International :C11D0007260000,C09D0007200000,C11D0007500000,B01D0069120000,C09D0009000000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)MAHESH KALABHAI SOLANKI</b> Address of Applicant :B-407, SHREE KRISHNA TOWER, OPP. CINEPRIDE CINEMA, KRISHNA NAGAR, SAIPUR BOGHA, AHMEDABAD-382345 Gujarat India (72)Name of Inventor : <b>1)MAHESH KALABHAI SOLANKI</b>
--	---

(57) Abstract :

The present invention relates a mix solvent composition that is capable of use in agro, paint, varnish, textile and many other industries and method for preparation thereof. Said composition consisting essentially of methanol and isopropyl alcohol (IPA), N-butyl alcohol (NBA), acetone, ethyl acetate, methyl ethyl ketone (MEK), methyl isobutyl ketone (MIBK), benzene, toluene, mix-xylene or hexane, cyclohexane, n-hexane, n-heptane, isopropanol, tetrahydrofuran, methyl acetate, cyclohexane, N-butanol and/ or combination of these solvent.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821042852 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : A COMPOSITION FOR MAKING BIODEGRADABLE CONTAINER AND A METHOD THEREOF

(51)

International :B65D0065460000,A61K0009500000,C08G0018120000,A61K0008340000,C07K0014435000

classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

^A COMPOSITION FOR MAKING BIODEGRADABLE CONTAINER AND A METHOD THEREOF™ The present invention relates to the solution for replacing plastic containers/bottle and provides an environment friendly cost effective biodegradable containers for the purpose of storing consumables/edibles and water etc. In an embodiment, there is provided a composition for biodegradable container and method thereof. The materials of the composition are selected to enhance the quality of stored article without contaminating the consumables stored with severe toxins and hazardous fumes. However it add natural aroma to the stored article along with minimizing the growth of bacteria/ fungus contamination via air.

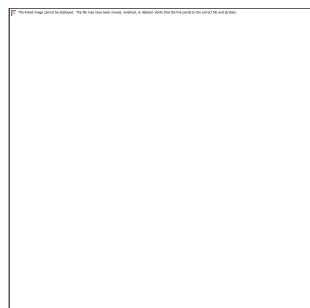
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(72)Name of Inventor :

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No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application  
No.201821042893 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : APPLICATION OF DEEP LEARNING FOR MEDICAL IMAGING EVALUATION

(51)

International :G06T000700000,G16H0050200000,G06K0009620000,G16H0030400000,G01N0021640000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

This disclosure generally pertains to methods and systems for processing electronic data obtained from imaging or other diagnostic and evaluative medical procedures. Certain embodiments relate to methods for the development of deep learning algorithms that perform machine recognition of specific features and conditions in imaging and other medical data. Another embodiment provides systems configured to detect and localize medical abnormalities on medical imaging scans by a deep learning algorithm.

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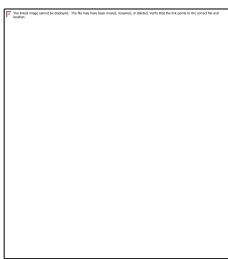
2)Manoj Tadepalli

3)Bhargava Reddy

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No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201823042075 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date : 15/05/2020

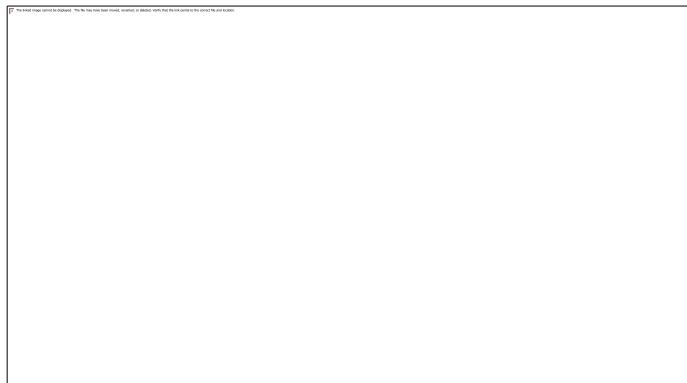
(54) Title of the invention : AUTOMATIC WATER PROVIDER AT LIMITED TIME AND LIMITED AMOUNT

(51)  
International :G07F0007100000,G06Q0020400000,E03D0001140000,C02F0001440000,A61L0027180000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :656/MUM/2014  
Number :25/02/2014  
Filed  
on  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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MAHARASHTRA, INDIA Maharashtra India  
(72)Name of Inventor :  
**1)Mr. VIJAYKUMAR MARUTI KHUPERKAR**

(57) Abstract :

This apparatus is used for providing limited water after certain limited circle to overcome from issue faced by wastage of water and to provide required volume (amount) of water in limited time. The apparatus can be used for variety of purposes including for watering the plants; providing pre-defined water quantity at certain intervals to kettles, poultry farms, for washing cars, the under constructing concrete building, for constructing and washing concrete roads. Refer Figure 1 & 2:



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201924011145 A

(19) INDIA

(22) Date of filing of Application :22/03/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : HYDRAULIC MAIN PUMP AND HYDRAULIC BRAKE SYSTEM

(51)

International :C10B0027060000,A63H0023100000,F15B0011080000,F04C0002344000,G05D0016100000  
classification

(31) Priority

Document :201811341880.3

No

(32) Priority :12/11/2018  
Date

(33) Name  
of priority :China  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present disclosure relates to the technical field of brake, and in particular to a hydraulic main pump (10) and a hydraulic brake system (20). The hydraulic main pump (10) according to the present disclosure comprises a valve body (100), a pressure exerting mechanism (200), and a pressure regulating mechanism (300); the valve body (100) has a liquid reservoir chamber (110) and a pressure regulating chamber (120), and the liquid reservoir chamber (110) communicates with the pressure regulating chamber (120) through a vent hole (130); the liquid reservoir chamber (110) has a first oil outlet (112), and the pressure regulating chamber (120) has a second oil outlet (122); the pressure exerting mechanism (200) is configured to exert pressure to hydraulic oil in the liquid reservoir chamber (110). The pressure regulating mechanism (300) is disposed in the pressure regulating chamber (120), and the pressure regulating mechanism (300) is configured to regulate an amount or a time of output of the hydraulic oil in the pressure regulating chamber (120). Pressure is exerted to the hydraulic oil in the liquid reservoir chamber (110) by the pressure exerting mechanism (200), one part of the hydraulic oil is outputted via the first oil outlet (112), and the other part of the hydraulic oil flows into the pressure regulating chamber (120), and is outputted from the second oil outlet (122) after that it is regulated by the pressure regulating mechanism (300).



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

(71)Name of Applicant :

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1)LONG, Zhaoquan

2)XU, Jian

3)HU, Ruidong

4)HUANG, Hanchu

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201924011319 A

(19) INDIA

(22) Date of filing of Application :23/03/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : DELAY PROPORTIONAL VALVE AND HYDRAULIC SYSTEM

(51)  
International :B60T0008260000,B60R0021233000,B60T0011340000,B60T0008300000,G01L0019000000  
classification  
(31) Priority  
Document :201811341901.1

No  
(32) Priority :12/11/2018  
Date  
(33) Name  
of priority :China  
country  
(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

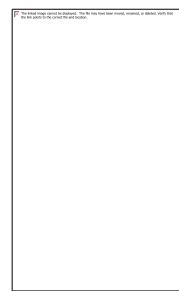
(57) Abstract :

The present disclosure relates to the technical field of braking machinery, and particularly to a delay proportional valve (10) and a hydraulic system. The delay proportional valve (10) provided in the embodiments of the present disclosure comprises a valve body (100) having a delay chamber (110) and a proportioning chamber (120) communicating with each other, the delay chamber (110) has a pressure input port (111) and the proportioning chamber (120) has a pressure output port (121), a delay assembly (200) is disposed within the delay chamber (110), and a proportioning assembly (300) is disposed within the proportioning chamber (120), when the delay proportional valve (10) is used for braking during use, the delay assembly (200) can be utilized to delay the input of a hydraulic pressure into the delay chamber (110); and at the same time, the proportioning assembly (300) also can be utilized to adjust the hydraulic pressure ratio between the pressure input port (111) and the pressure output port (121), such that after the effect of the delay assembly (200) and the proportioning assembly (300), the hydraulic pressure can be effectively prevented from causing the problem of excessive front braking force during comovement braking, thereby leading to a more suitable ratio of distribution between the front braking and the rear braking, and more stable and faster braking.

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2)ZHOU, Yang  
3)HU, Ruidong  
4)HUANG, Hanchu



No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201924042895 A

(19) INDIA

(22) Date of filing of Application :22/10/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : IMAGING OPTICAL LENS ASSEMBLY, IMAGING APPARATUS AND ELECTRONIC DEVICE

(51)  
International :G03B0009020000,H04N0005238000,G02B0013180000,G02B0003000000,G02B0017060000  
classification  
(31) Priority  
Document :107140457  
No

(32) Priority :14/11/2018  
Date

(33) Name  
of priority :Taiwan  
country  
/region  
(86)

International  
Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

An imaging optical lens assembly includes an aperture stop and a plurality of lens elements. The aperture stop has a fixed elliptical shape, and the aperture stop has a major axis and a minor axis.



No. of Pages : 122 No. of Claims : 26

(71)Name of Applicant

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/11/2019

(21) Application  
No.201924044930 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CURRENT DRIVEN PIXEL CIRCUIT AND RELATED IMAGE SENSOR

(51)  
International :G09G0003323300,H04N0005355000,G09G0003328300,H04N0005374500,G02B0007080000  
classification  
(31) Priority  
Document :62/757,171  
No

(32) Priority :08/11/2018  
Date

(33) Name  
of priority :U.S.A.  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No  
(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

A current-driven pixel circuit and a related image sensor are disclosed. The image sensor includes a pixel circuit array and a current reference circuit. The pixel circuit array includes a plurality of pixel circuits, each having a photo detecting element and a power element. The photo detecting element changes impedance in response to illumination. The power element is arranged to selectively provide a driving current to the photo detecting element. The current reference circuit includes a current source, wherein the power element provides the driving current according to a reference current of the current source, respectively.



No. of Pages : 20 No. of Claims : 9

(71)Name of Applicant

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1)LIN, YU HSUAN  
2)WANG, CHUNG  
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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201924045638 A

(19) INDIA

(22) Date of filing of Application :09/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : SPINNING MACHINE AND SPINDLE RAIL

(51)

International :D01H0001244000,D01H0007100000,D01H0001160000,B23Q0001700000,B60N0002060000  
classification

(31) Priority

Document :102018128100.5

No

(32) Priority :09/11/2018  
Date

(33) Name  
of priority :Germany  
country

(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

The invention relates to a spinning machine having a spindle unit, which is arranged on a spindle rail and has a spindle having a holding section for releasably connecting to a spinning tube and has an electric motor having a rotor connected to a spindle shaft of the spindle in a rotationally fixed arrangement. The invention also relates to a spindle rail with a spindle unit for a spinning machine. In order to provide a spinning machine and a spindle rail for a spinning machine which requires only a small installation space and can be economically produced, it is provided for the spinning machine that the spindle shaft is mounted in a mounting opening of the spindle rail, the mounting opening being designed for the housing-free positioning therein of a stator of the electric motor and of a bearing which guides the spindle shaft. For the spindle rail, there is provision for the mounting opening of the spindle rail to be designed for the housing-free fixing of a bearing which guides the spindle shaft and of a stator of the electric motor in the mounting opening.



No. of Pages : 24 No. of Claims : 12

(71)Name of Applicant :

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(72)Name of Inventor :

1)Stitz, Albert

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/08/2019

(21) Application No.201927034160 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : DISPLAY PANEL AND DISPLAY DEVICE

(51) International classification	:H01L 27/32
(31) Priority Document No	:201810029319.5
(32) Priority Date	:11/01/2018
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/114706
Filing Date	:09/11/2018
(87) International Publication No	:WO 2019/137086
(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)BOE TECHNOLOGY GROUP CO., LTD.**

Address of Applicant :No.10 Jiuxianqiao Rd., Chaoyang District Beijing China

(72)Name of Inventor :

**1)XU, Chuanxiang**

**2)SHU, Shi**

**3)YAO, Qi**

**4)ZHANG, Feng**

(57) Abstract :

A display panel and a display device the display panel comprising a substrate (10) an electroluminescent display unit set (20) and a light filter layer (30). The electroluminescent display unit set (20) is disposed at a side of the substrate (10) and the electroluminescent display unit set (20) comprises a plurality of electroluminescent display units (21) used for emitting light of different colors. The light filter layer (30) is disposed at a light-emitting side of the electroluminescent display unit (21) the filter layer (30) comprising a plurality of light filter sheets (31) that allow light of different colors to pass through; the color of light emitted from the electroluminescent display unit (21) is the same as the color of light allowed to pass through the light filter sheets (31) disposed at the light-emitting side of the electroluminescent display unit (21).



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/10/2019

(21) Application No.201927042887 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ORGANIC LIGHT-EMITTING DISPLAY PANEL AND MANUFACTURING METHOD THEREFOR AND DISPLAY DEVICE

(51) International classification	:H01L 27/32,H01L 51/56
(31) Priority Document No	:201810262225.2
(32) Priority Date	:28/03/2018
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2018/115484 :14/11/2018
(87) International Publication No	:WO 2019/184387
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)BOE TECHNOLOGY GROUP CO., LTD.

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(72)Name of Inventor :

1)CUI, Ying  
2)HOU, Wenjun

(57) Abstract :

The present disclosure discloses an organic light-emitting display panel and a manufacturing method therefor and a display device. Specifically the present disclosure provides a method for manufacturing an organic light-emitting display panel comprising: providing a substrate and sequentially forming light-emitting layers in the opening regions of sub-pixels of different colors at least one sub-pixel other than the sub-pixel with the largest area being a first sub-pixel and other sub-pixels other than the first sub-pixel being second sub-pixels; and forming a light-emitting layer for the first sub-pixel specifically comprising: printing within at least one second sub-pixel where no light-emitting layer is formed a solvent used for dissolving a luminescent material; and printing within the first sub-pixel an ink containing the solvent and the luminescent material corresponding to the first sub-pixel. Said method can decrease the ink evaporation rate of other sub-pixel regions having a small area when printing an ink thereby improving the uniformity of formed films of the other sub-pixel regions having a small area thus improving the display quality of an OLED.



No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201927052446 A

(19) INDIA

(22) Date of filing of Application :17/12/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD FOR TRANSMITTING RANDOM ACCESS PREAMBLE IN NARROWBAND IOT SYSTEM SUPPORTING TIME DIVISION DUPLEXING AND APPARATUS THEREFOR

(51) International classification

:H04W 74/00,H04W  
74/08,H04W 72/04

(31) Priority Document No

:62/586123

(32) Priority Date

:14/11/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/KR2018/013927

Filing Date

:14/11/2018

(87) International Publication No

:WO 2019/098681

(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)SHIN, Seokmin**

**2)PARK, Changhwan**

**3)KIM, Seonwook**

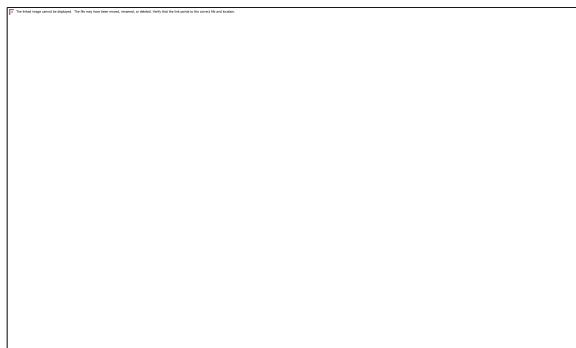
**4)AHN, Joonkui**

**5)YANG, Suckchel**

**6)HWANG, Seunggye**

(57) Abstract :

The present specification provides a method for transmitting a random access preamble in a narrowband IoT system supporting time division duplexing and an apparatus therefor. Specifically, a method for transmitting, by a terminal, a narrowband physical random access channel (NPRACH) preamble in a narrowband-Internet of Things (NB-IoT) system supporting time division duplexing may comprise the steps of: receiving, from a base station, setup information related to an uplink-downlink configuration; and transmitting, to the base station, the NPRACH preamble which is set by taking into account the uplink-downlink configuration.



No. of Pages : 61 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION  
(19) INDIA  
(22) Date of filing of Application :18/05/2016

(21) Application No.201641017107 A  
(43) Publication Date : 15/05/2020

(54) Title of the invention : A FLUID PUMP, A METHOD FOR CONSTRUCTION OF THE FLUID PUMP, AND A LUBRICATION SYSTEM

(51)  
International :E21B0043120000,F04B0009040000,A47K0005120000,F02C0007060000,F04B0053160000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(72)Name of Inventor :  
1)Vivek Gopalkrishna HEGDE  
2)Mallikarjuna Gowdru Thipperudraiah PATEL

(57) Abstract :  
The present invention relates to a fluid pump (100), a method (600) for construction of the fluid pump (100), and a lubrication system comprising the fluid pump (100). The fluid pump (100) dispenses a fluid towards a fluid dispensation location. The fluid pump (100) includes a reservoir (102), a fluid outlet (108), a first and a second means (110, 112). The reservoir (102) includes two opposing sides (104, 106). The fluid outlet (108) is located closer to one side (104) as compared to the other (106). The first means (110) is configured for activating the fluid outlet (108) during an operation of the fluid pump (100), and the second means (112) is configured for driving the first means (110). It is proposed that the second means (112) is arranged off-centric with respect to the first side (104) in a plane (128) including the first side (104) for reducing pump dimensions.



No. of Pages : 0 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/05/2016

(21) Application  
No.201641017149 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD OF GENERATING KNOWLEDGE BASED DATA AND AN EMBEDDED COGNITIVE PROCESSING SYSTEM THEREOF

(51)

International :G06F0017280000,G06N0005020000,C12N0009500000,H03M0013390000,G06N0005040000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a method and of generating knowledge based data and an embedded cognitive processing system thereof. The method includes receiving pre-processed data by the embedded cognitive processing system. The pre-processed data includes n-dimensional data pre-processed from one or more data sources. The method also includes analysing, by the embedded cognitive processing system, the pre-processed data to cognitively build at least one multi-level contextual response associated with the pre-processed data. The at least one multi-level contextual response is provided to a user in response to a query of the user.

No. of Pages : 0 No. of Claims : 19

(71)Name of Applicant  
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1)SRINIVAS,  
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(72)Name of Inventor :  
1)SRINIVAS,  
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/06/2016

(21) Application No.201641022400 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : NFC EMBEDDED DOCK STATION FOR COMMUNICATION DEVICES

(51) International classification	:H04W 4/18	(71) <b>Name of Applicant :</b> <b>1)HOSKERI, Basavaraj</b> Address of Applicant :#1063,18th Main, BTM Layout 2nd Stage, Bangalore 560076 Karnataka India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b> <b>1)HOSKERI, Basavaraj</b>
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 system and method for managing one or more functions on a user device is disclosed. The user device comprises a user application and one or more sensors configured to detect a proximity to one or more of an NFC tag embedded in the dock station of a vehicle and a wireless charging coil integrated with the dock station mounted in the vehicle along with the in-vehicle Bluetooth profile. The configurations for one or more functions are pre-selected by the user of the user device and the user application selectively activates or deactivates one or more functions on the user device.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841017441 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A PINCH GAUGE AND METHOD THEREOF

(51)  
International :A61B0005000000,G06F0003010000,A61K0008370000,A23G0004060000,A61N0001080000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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**2)Sridhar Krishnamurthy**  
(72)Name of Inventor :  
**1)Krishnakumar Sankar**  
**2)Sridhar Krishnamurthy**

(57) Abstract :  
ABSTRACT AN APPARATUS TO IDENTIFY THE LEVEL OF SENSATION IN SKIN AND METHOD THEREOF™ The present invention discloses an apparatus and method for identify the level of sensation in contacting skin of the patient who is suffering from sensation loss. In an embodiment of the present invention the apparatus comprises a divider connected with the sensing unit and interfacing with a microcontroller unit to calculate the distance moved on the track of the divider contacting the skin of the patient and find the level at where the patient able to sense both the legs of the divider.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841017672 A

(19) INDIA

(22) Date of filing of Application :10/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : MULTIVALENT GLYCOCOCONJUGATES IN BUFFER FOR HUMANS

(51)

International :A61K0039000000,A61K0039120000,F16H0003440000,A61K0038080000,A61K0039295000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Disclosed are multivalent conjugate compositions against *Salmonella* diseases. A combined vaccine composition of glycol-conjugates in tetravalent, trivalent and bivalent combinations are disclosed in the present invention.

No. of Pages : 38 No. of Claims : 21

(71)Name of Applicant

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**1)BHARAT  
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2)RAMASAMY,  
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3)NAIDU,  
Mandalapu  
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/11/2018

(21) Application  
No.201841017736 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR CLASSIFYING A PULSE MORPHOLOGY OF A USER

(51)

International :G06N0020000000,A61B0005000000,G06K0009460000,G10L0017060000,G06N0005020000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

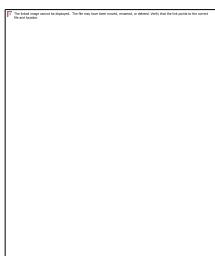
Number :NA

Filing

Date

(57) Abstract :

A system and method for classifying pulse morphology of a user is disclosed. The method includes deriving a feature vector of a pulse pressure waveform associated with the user. Further, the feature vector is fed as input to a classification model. Based on the input, the classification model identifies a class of pulse morphology associated with the user. The classification model used herein, is pre-built using a machine learning technique. More specifically, the classification model is trained to identify the class of pulse morphology, using data from a plurality of users having different types of bodies and/or health conditions.



No. of Pages : 30 No. of Claims : 14

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841017903  
A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : POWER GENERATION SYSTEM IN A WATER BODY AND METHOD EMPLOYED THEREOF

(51)

International :F03B0013140000,E02B0003100000,E02B0009080000,E02B0007200000,F03D0009250000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

POWER GENERATION SYSTEM IN A WATER BODY AND METHOD EMPLOYED THEREOF Exemplary embodiments of the present disclosure are directed towards a power generation system in a water- body and methods employed thereof. The method comprising: constructing a dam in a water-body away from a shore, constructing extended walls at each ends of the dam towards water-body, constructing shore walls at each ends of the dam towards the shore side, constructing protected walls from extended walls towards water-body, constructing a ramp between the shore walls characterized by: increasing water flow and converging the water towards the dam by the extended walls on the water-body side; opening adjustable gates to allow water enter into power generating means; allowing water to spin the power generating means which in turn generates electricity, and allowing the water to reach to the shore with the help of the ramp constructed between the shore walls where water enters back into water-body after water spins power generating means. FIG.2

No. of Pages : 19 No. of Claims : 7

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2018

(21) Application No.201841042077 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : PORTABLE COCONUT PEELING MACHINE

(51) International classification	:A47J 17/14	(71)Name of Applicant : <b>1)Naveen K.T</b> Address of Applicant :50/1, NEW COLONY, KARUMALAI KODDAL, METTUR DAM - RS SALEM - 636 402. Tamil Nadu 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 : <b>1)Naveen K.T</b> <b>2)ELANGO.M</b>
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 :

This invention is about the Portable Coconut Peeling Machine is a machine used for peeling the coconut outer skin easily without forcing the coconut on the knife edges. This system aims to reduce the man power and helps to avoid the human injury while forcing the coconut against the knife edge. The existing coconut peeling machine the coconut skin is forced against the knife edge and then the lever is pulled and remove the outer skin. Thus during forcing human finger may hurt with the knife edge. Thus to prevent the human injury while coconut peeling an arrangement is needed to hold the coconut firmly against the knife edges with less human effort. So this invention relates to a portable coconut peeling machine reduce the man power and helps to avoid the human injury while forcing the coconut against the knife edge. The portable coconut peeling machine have an arrangement to hold the coconut firmly against the knife edges with less human effort. Thus the human effort is to place the coconut on the arrangement and close the top arm and operate the lever to remove the outer skin of the coconut. The forcing of the coconut against the knife edges is done by the top arm when the lever is operated

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042081 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A VEHICLE HEAT EXCHANGER UNIT

(51)

International :B60H0001000000,H01M0010613000,H01M0010655700,B60K0011040000,F24F000100290  
classification

n

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A vehicle heat exchanger unit (100, 200), particularly, a Heating Ventilation and Air-Conditioning unit (200) includes a first housing {10, 110} and a second housing (20, 120). The first housing (10, 110) receives at least a portion of a suction fan. The second housing (20, 120) receives at least one heat exchanger (22, 122). The first housing (10, 110) and the second housing (20, 120) are laterally offset with respect to each other such that the suction fan is disposed downstream of the at least one heat exchanger (22, 122) in an airflow circulation direction.

No. of Pages : 34 No. of Claims : 13

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042083 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A VEHICLE AND A HEATING VENTILATION AND AIR CONDITIONING SYSTEM THEREFOR

(51)

International :B60H0001000000,B63J0003020000,G05B0019042000,G02F0001134500,B60L0001000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA

No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA

Number :NA  
Filing

Date

(62)  
Divisional to  
Application :NA

Number :NA  
Filing

Date

(57) Abstract :

A vehicle (200) includes a Heating Ventilation and Air-Conditioning system (100a, 100b), a main drive (20) and an auxiliary drive (120) other than the main drive (20). The Heating Ventilation and Air-Conditioning system (100a, 100b) is configured with a main air conditioning unit (10) and at least one auxiliary air conditioning unit (110, 210). The main drive (20) provides operating power to at least one of the vehicle (200) via a transmission (30) and the main air conditioning unit (10), whereas the auxiliary drive (120) provides operating power to the at least one auxiliary air conditioning unit (110, 210). The at least one auxiliary air conditioning unit (110, 210) is packaged underneath at least one of a driver seat (40) and a co-driver seat (50) of the vehicle (200).

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042112 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SNAP-FIT ASSEMBLY FOR DRIVE SHAFT

(51)

International :F01D0025240000,E05B0017000000,F16H0057033000,H02K0049100000,F16H0007180000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Snap-fit assembly for drive shaft [0023] The present invention provides an apparatus for securing drive shaft to a gear-box (101) while transmitting torque and rotational power along the drive chain. The apparatus consists of a pair of snap-fit hooks (102A, 102B) that secures the drive shaft enclosure (103) to the gear-box (101) by means of a ferrule (104). The snap-fit assembly comprising of the snap-fit hooks (102A, 102B) positively secures the ferrule (104) thereby overcoming the disadvantage of disconnection. The design of the snap-fit hooks which is integral with the housing has the advantage of eliminating several additional parts thereby minimizing wear & tear. (FIGURE 1)

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No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2018

(21) Application No.201841042116 A

(43) Publication Date : 15/05/2020

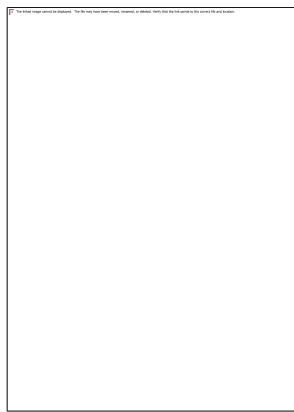
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(54) Title of the invention : HEAT DISSIPATING STRUCTURE

(51) International classification	:F21V 29/70	(71) <b>Name of Applicant :</b> <b>1)TVS MOTOR COMPANY LIMITED</b> Address of Applicant :TVS Motor Company Limited, Jayalakshmi Estates, No.29 (Old No.8) Haddows Road, Chennai, Tamil Nadu, India, Pin Code-600 006. Tamil Nadu India
(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	

(57) Abstract :

HEAT DISSIPATION STRUCTURE FOR AN ENERGY STORAGE DEVICE The present invention relates to an energy storage pack (100) comprising at least one energy storage device (103), a battery management system (BMS) (102) electrically coupled to at least one side (103a) of said at least one energy storage device (103) and at least one heat dissipating structure (101) slidably positioned to said at least one side of said at least one energy storage device (103) and in alignment thereof. In the present invention, said at least one heat dissipating structure (101) includes at least one airflow guiding portion (105) and at least one securing portion (106) integrally formed with said at least one airflow guiding portion (105) and extending laterally outward from at least a portion thereof. < To be published with Fig. 6>



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2018

(21) Application No.201841042119 A

(43) Publication Date : 15/05/2020

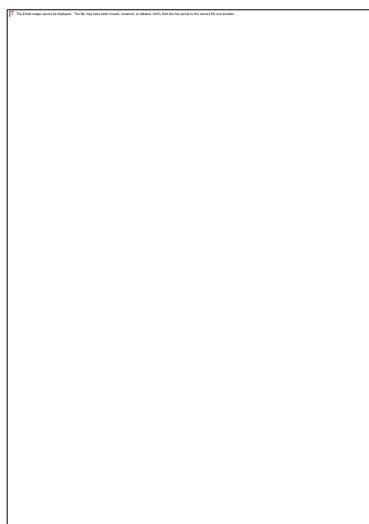
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(54) Title of the invention : SECONDARY AIR INJECTION SYSTEM FOR A THREE-WHEELED VEHICLE

(51) International classification	:F02B 13/06	(71) <b>Name of Applicant :</b> <b>1)TVS MOTOR COMPANY LIMITED</b> Address of Applicant :TVS Motor Company Limited, Jayalakshmi Estates, No.29 (Old No.8) Haddows Road, Chennai, Tamil Nadu, India, Pin Code-600 006. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SRI GIRI RAGHAVENDRA RAM KRISHNAN</b>
(87) International Publication No	: NA	<b>2)THANJAVUR ELANGO VIKNESH</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GUTTI GNANA KOTAIAH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a secondary air injection system (300) for a three-wheeled vehicle (100) in which the secondary air injection system (300) includes an air inlet located in an enclosure (201) to restrict unimpeded entry of contaminants such as dust, dirt and water from entering through the air inlet and clogging the air filter (205). < To be published with Figure 4>



No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/11/2018

(21) Application No.201841042121 A

(43) Publication Date : 15/05/2020

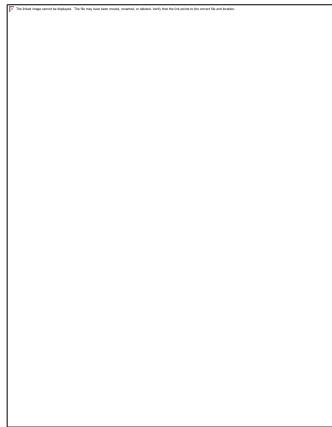
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(54) Title of the invention : INTERCONNECTING STRUCTURE FOR ENERGY STORAGE CELLS IN AN ENERGY STORAGE DEVICE

(51) International classification	:H01M 10/00	(71) <b>Name of Applicant :</b> <b>1)TVS MOTOR COMPANY LIMITED</b> Address of Applicant :TVS Motor Company Limited, Jayalakshmi Estates • No.29 (01d No.8) Haddows Road, Chennai, 600 006 Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA	(72) <b>Name of Inventor :</b> <b>1)PRABHANJAN KUMAR</b> <b>2)SENTHILNATHAN SUBBIAH</b> <b>3)SAMRAJ JABEZ DHINAGAR</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

The present invention relates to an energy storage device (100) comprising one or more energy storage cells (106) being disposed in said at least one cell holder (100a), (100b) and one or more interconnecting structures (103) adapted for electrically connecting said one or more energy storage cells (106). As per the present invention, each of said one or more interconnecting structures (103) includes one or more openings (203) adapted for securely positioning said each of said one or more energy storage cells (106) in said at least one holder structure (100a), (100b). < To be published with Fig.5>



No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042134 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : MULTI DIMENSIONAL SCALE ANALYSIS USING MACHINE LEARNING

(51)  
International :G06N0020000000,H04L0029060000,G07C0009000000,A61K0039000000,G05B0015020000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

The disclosure provides an approach for collecting system state data relating to whether certain system states overload a processor assigned to a controller of the system. The approach further involves using the collected data to train a regression machine learning algorithm to predict whether intended or desired system states will result in processor overload. Depending on the prediction, the approach takes one of several steps to efficiently change system state. [FIG. 1]

No. of Pages : 35 No. of Claims : 10

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042172 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : OIL-FREE WATER-INJECTED SCREW AIR COMPRESSOR

(51)

International :G01N0033533000,H05B003100000,B01J0020286000,C02F0003280000,B63C0007260000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :  
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No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841042178  
A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING OPERATION OF AN ENERGY GENERATION AND STORAGE SYSTEM

(51)

International :H02J0003000000,G05B0015020000,G05D0007060000,H02M0007539500,E21B0043120000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A method (800) for controlling an energy generation and storage system (100) using a multi-layer architecture (200) is provided. The method (800) includes determining, by one or more control devices (902), a power or energy generation for the energy generation and storage system (100) at a first layer (202) of the multi-layer architecture (200). The method (800) includes determining, by the one or more control devices (902), a power or energy set point (406) for the system (700) at a second layer (204) of the multi-layer architecture (200). The method (800) includes controlling, by the one or more control devices (902), the energy generation and storage system (100) based, at least in part, on the power or energy setpoint (406). (Fig. 9)



No. of Pages : 40 No. of Claims : 20

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- 7)D'Amato, Fernando Javier
- 8)Moosvi, Alina Fatima
- 9)Berry, Irene Michelle
- 10)Kosuth, Charles
- 11)Ubben, Enno

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2018

(21) Application No.201841042194 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : FABRICATION OF VEHICLE STRUCTURAL PADS MADE BY MORINDA CITRIFOLIA AND PTEROSPERMUM ACERIFOLIUM

(51) International classification	:A61K 36/00	(71) <b>Name of Applicant :</b> <b>1)Mr.G.Manikandan</b> Address of Applicant :NO: E-2 Police Quarters, Vettavalam (Post), Tiruvannamalai India Tamil Nadu 606754. Tamil Nadu India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	<b>2)Dr. V. Jaiganesh</b>
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Mr.G.Manikandan</b>
(61) Patent of Addition to Application Number	:NA	<b>2)Dr. V. Jaiganesh</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Fabrication of Vehicle structural pads made by Morinda citrifolia and Pterospermum acerifolium natural fiber composites with epoxy resin. The application of natural fiber is increasing day by day since they are eco-friendly. The natural fiber-reinforced composites have an advantage of being lightweight, renewable, biodegradable, cheap and eco-friendly. So there is a need to investigate the potential of natural fibers and its composites, which can be used in highly demanding situations. An attempt has been made in present work to explore the possible use of a variety of wild grown fibers in nature in the development of new composites for load carrying structures. These natural fibers have been abundantly available in the world. It has unique properties compared to synthetic fibers and reduces the plastic usage. This innovation process reports the extraction process of natural fibers, characterization of natural fiber-reinforced composites. Reinforcement of natural fibers like Morinda citrifolia and Pterospermum acerifolium made with epoxy resin. In this idea to the extraction process of natural fibers, characterization of natural fiber-reinforced composites. The reinforced composites made by the epoxy resin. The experimental investigation of the natural fiber composites was carried out some mechanical properties and made some vehicle components like auto seats car door trim pad and etc. From this composites we can reduce the weight of the vehicles, save material cost and balance strength instead of metals.

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042205 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : PROCESS FOR THE PREPARATION OF LINEZOLID FORM III •

(51)

International :C07D0263200000,C07D0401120000,C07D0263240000,B01J0012000000,C22C0001020000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

ABSTRACT TITLE: PROCESS FOR THE PREPARATION OF LINEZOLID FORM III The present invention relates to improved, commercially viable and industrially applicable process for the preparation of crystalline form III of Linezolid.

No. of Pages : 13 No. of Claims : 6

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042221 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN ARM UNIT CONFIGURED FOR ATTACHING A DISC BLADE TO A DISC PLOUGH FRAME

(51)

International :B29C0033380000,A61B0017000000,B22C0009100000,B33Y0080000000,H01L0051560000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present disclosure discloses an arm unit (305) for attaching a disc blade to a disc plough and a method for casting the same. The arm unit (305) comprises a bearing housing section (310) joined to an arm section (315) formed using split-pattern casting. The method for casting the arm unit involves forming an arm unit pattern by fastening a bearing housing pattern to an arm section pattern. The bearing housing pattern may be of a standard geometry, whereas the arm section pattern may be customised based on the requirement of a customer. The arm unit pattern thus formed is further used for producing a mould for casting the arm unit. The bearing housing pattern is reusable with arm section patterns corresponding to arm sections of different geometries.

No. of Pages : 25 No. of Claims : 14

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/11/2018

(21) Application No.201841042231 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : A CIRCUIT AND METHOD FOR DRIVING A FOUR-PHASE SWITCHED RELUCTANCE MACHINE

(51)

International:H02M0003158000,H02P0025092000,H03M0001100000,H01L0029749000,H02P0025098  
classification 000

n

(31) Priority Document :NA

No

(32) Priority :NA Date

(33) Name of priority :NA country

(86) International Application :NA No :NA

Filing

Date

(87) International : NA Publication

No

(61) Patent of Addition

to Application :NA Number :NA

Filing

Date

(62) Divisional

to Application :NA Number :NA

Filing

Date

(57) Abstract :

A circuit and a method for driving a four-phase switched reluctance machine are provided. The circuit includes a first convertor leg electrically coupled between a positive node and a negative node. The first convertor leg includes a first high side switch, a first low side switch and a first phase. The circuit also includes a second convertor leg electrically coupled in parallel to the first convertor leg between the positive node and the negative node. The second convertor leg includes a second high side switch, a second low side switch and a second phase. The circuit also includes a third phase and a fourth phase. The first convertor leg, the second convertor leg, the third phase and the fourth phase are configured to drive the four-phase switched reluctance machine. FIG. 1

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No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042269 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR TRAFFIC MONITORING AND ENFORCEMENT

(51)  
International :G08G0001010000,A61B0003140000,G06K0009000000,G08G0001052000,B41F0031040000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(72)Name of Inventor :  
**1)Rakesh Kumar  
Sampangi Raju**

(57) Abstract :

System and method for traffic monitoring and enforcement and a method to operate the same are provided. The one or more transceivers configured to sense a plurality of parameters. The one or more transceivers configured to transmit a plurality of the sensed parameters. Each of the plurality of traffic controller units includes a receiver unit configured to receive the plurality of parameters from the one or more transceivers. An analysis module configured to analyse and monitor the plurality of parameters based on a pre-defined set of data. A notification module configured to generate at least one notification. At least one image capturing device configured to capture at least one image representative. A processor operatively coupled to the image capturing device and configured to process at least one captured image representative. The processor configured to transmit at least one processed image. FIG. 1

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841042281 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD AND SYSTEM FOR DETECTING MALWARE THREATS VIA ADAPTIVE IMMUNE RESPONSE IN AN ECOSYSTEM OF NETWORKED DEVICES

(51)  
International :H04L0029060000,G06F0021620000,G06F0021560000,G06F0021550000,H04L0029080000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

ABSTRACT Method and System for Detecting Malware Threats via Adaptive Immune Response in an Ecosystem of Networked Devices A system for detecting multifarious malware threats in an ecosystem of networked devices, called the Adaptive Immune Response System (AIRS), comprises of Agent (A) installed within all the participating devices, Server (S), and a custom Ecosystem Threat Intelligence (ETI) repository. The participating devices have one or more security protection layers. Each protected device within the ecosystem is provided with a compatible software or hardware Agent which is adapted to register with a security product already installed on the device, upon installation, Server is run within the ecosystem on hardware that is completely controlled by the owner of the ecosystem, thus preventing any data sent to Server from leaving the ecosystem environment. This conforms to Global Data Privacy Regulation (GDPR) and other data privacy norms.  
FIG. 1

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No. of Pages : 34 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042297 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ROBOT-BASED SURFACE CLEANER

(51)

International :G01N0033533000,H05B003100000,B01J0020286000,C02F0003280000,B63C0007260000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing  
Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date

(62)

Divisional to  
Application :NA

Number :NA

Filing

Date

(57) Abstract :  
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No. of Pages : 37 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042303 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : COMPOSITION COMPRISING SULPHATED GALACTOSE, AND IMPLEMENTATIONS THEREOF

(51)

International :G01N0033533000,H05B003100000,B01J0020286000,C02F0003280000,B63C0007260000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
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(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing  
Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :  
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No. of Pages : 74 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042328 A

(19) INDIA

(22) Date of filing of Application :10/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : DEVICE AND METHOD TO ESTIMATE THE WAGE

(51)

International :H04N0001000000,G06F0003120000,G01C0022000000,G06F0021310000,G06K0015000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

DEVICE AND METHOD FOR ESTIMATING THE WAGE The present invention relates to device and method for estimating the wage. The device comprises a display screen selecting the type of job by a user; a means for initiating the selected job on the display screen; a sensor measuring the distance covered or travelled by the user while performing the job; a means for counting the time while performing the job, by the user; and an estimating means estimating the wage based on the selected type of the job, distance and time covered or travelled by the user. Figure to be included with abstract: [Figure 1]

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No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042332 A

(19) INDIA

(22) Date of filing of Application :10/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR SYNTHESIS OF ORDERED MESOPOROUS CERIA-ZIRCONIA SOLID SOLUTION

(51)  
International :C01B0037020000,C30B0029580000,B01D0001000000,H01M0004040000,C01G0023053000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(72)Name of Inventor :  
**1)PARASURAMAN SELVAM  
2)SOURAV KHAN**

(57) Abstract :

A method for synthesis and characterization of ordered mesoporous ceria-zirconia solid solutions using solvent evaporation induced self-assembly (EISA), Pluronic F-127 and a nonionic tri-block copolymer surfactant. The invention proposes preparation of mesoporous Ce<sub>1-x</sub>Zr<sub>x</sub>O<sub>2</sub> (x = 0.25, 0.5, and 0.75) by modified EISA method in a non- aqueous medium by fine tuning of the evaporation process by applying small amount of vacuum.

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/11/2018

(21) Application No.201841042360 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : DUAL MOTOR ALL IN ONE MIXER GRINDER MACHINE

(51) International classification	:F01B 1/02	(71) <b>Name of Applicant :</b> <b>1)J. BASKARAN</b> Address of Applicant :NO.24, RAMAPALAYAM ROAD, THIMIRI-632512, ARCOT. TK, VELLORE. DK, TAMILNADU Tamil Nadu India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)J. BASKARAN</b>
(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	

(57) Abstract :

Utility model belongs to the field of the mixer grinder machine. Dual motor all in one mixer grinder machine is only composed of two motor and the shat is driven by a motor, drive belt and pulley arrangement in the conventional manner. This invention relates to mixer and grinding cereals, pulses, coconut and measles forms an essential part of everyday cooking in Indian homes, modern techniques and devices has been developed to meet the demands of the consumers. Easily detachable and occupy very little space, it is very useful to women, it is very easy to use, its shape is adorable.

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042363 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : INNOVATIVE NEO CIGARETTE FILTER DISPOSER

(51)

International :A24F0019000000,A24D0003020000,A24D0003060000,B09B0003000000,C22B001500000  
classification

n

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

**ABSTRACT:** The disposal and littering of cigarette filters / butts is a serious environmental problem. Every day 275,0005000(Two hundred seventy five crores) of cigarettes are consumed every day in India, resulting in approximate of 1.37,500 ( One lakh thirty seven thousand five hundred) tonnes of poisonous toxic and plastic fibber waste is being dumped into the environment in the form of cigarette butts and filters. Cigarette filters are of very poor biodegradability, it can take many years for them to break down. This INNOVATIVE NEO CIGARETTE FILTER DISPOSER UNIT offers complete solution in Cigarette waste filter management system. Use of this unit assists the smoker to collect the cigarette waste which can be emptied and disposed at designated shops and cigarette waste collection centres. The use of this unit, radically helps in solving the cigarette butt waste problem worldwide and drastically reduce environmental issues faced by poisonous cigarette filters.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042376 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD AND APPARATUS FOR FORMING CURVILINER SURFACES OR REVOLUTION

(51)

International :B21D0053260000,B21K0003040000,B29C0051140000,B23P0015000000,B29D009900000  
classification

n

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention relates to the method and apparatus for forming curvilinear surfaces of revolution. Most particularly, the present invention relates to the flexible manufacturing method for forming axisymmetrical hollow components having curvilinear surfaces, without using mandrel to reduce the metal forming defects. The main defects in the present flexible forming process are material thinning, geometrical accuracy, surface roughness and wrinkling failure. These problems restrict the application of flexible forming process in manufacturing of parts having asymmetric profile. As an added advantage, the present invention of forming method and apparatus can be easily adapted to manufacture different hollow axisymmetrical shapes without any modification.

No. of Pages : 11 No. of Claims : 10

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042444 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : RANDOMLY DISTRIBUTED WAVE ENERGY HARVESTING APPARATUS

(51)

International :F03B0013180000,F03B0013200000,H02N0002180000,F03B0013140000,F03B0015000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Title: Randomly Distributed Wave Energy Harvesting Apparatus A Randomly Distributed Wave Energy Harvesting Apparatus to convert the wave motion of sea swells into electrical energy using inertia! resonance is disclosed. It may be tuned to tap particular swell frequencies. Said apparatus comprises of a round bottom vessel (RBV) adapted to float on water, wherein a reference plate (RP), fitted on the opposite side of the swing mass of a pendulum movably connected to a support frame (HF) fixed on vessels platform, receives an equivalent motion corresponding to the oscillation of the round bottom vessel wherein said motion is tapped to move magnets in linear generators to generate electricity. FIG.1

No. of Pages : 23 No. of Claims : 12

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042450 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR INTEGRATED AUTO-STEERING AND AUTO-BRAKING MECHANISM IN AUTONOMOUS VEHICLES AS A RETRO FIT

(51)

International:G05D0001000000,G05D0001020000,B62D0001181000,B60W0050120000,B62D0006000  
classification 000

n

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional

to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

[00109] A system and/or a method for integrated auto-steering apparatus (300), auto-braking apparatus (200) and auto-acceleration apparatus to facilitate actuating brake and turning steering wheel without a driver. The invention made as a part of Drive-By-Wire system to make the system retrofit using a spur gear train (310) connected through a motor (308) to make steering automatic, and using an electric actuator (208) to make braking automatic, and integrating all the apparatus through a programmable logic controller (128, 912) to achieve navigation of autonomous vehicle. The complete system design fits at the steering column and the brake pedal to imitate exact behavior of human with sensor (906, 916) feedback system. [00110] Refer Figures 2A, 3A, and 9

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No. of Pages : 67 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042454 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : COMPACT AND MINIMALIST OBSERVATION CLASS BIO INSPIRED ROBOTIC VEHICLE FOR SEPTIC TANK AND SEWER LINE INSPECTION

(51)  
International :G01N0021880000,G01V0005000000,G06T0007000000,G01N0021956000,E21B0043160000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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(72)Name of Inventor :  
**1)Tanmay Mothe**  
**2)Kranthi Chaitanya Sudunagunta**  
**3)Prabhu Rajagopal**

(57) Abstract :

**ABSTRACT** An inspection system • According to the embodiment discloses inspection system (100) having hull (102) designed in a preselected shape and a motor casing (106) positioned outside the hull (102) for holding motors (110). The inspection system (100) further comprises sensors for inspecting a predefined area and at least two fins (106, 108) for enabling a movement of the inspection system (100) in the predefined area. First fin (106) of the at least two fins is provided at a front side and a second fin (108) of the at least fins provided at a rear side. The at least two fins are actuated through the motors (110). Cameras (112) are connected at one or more positions over the hull (102). The one or more cameras (112) are controlled through the one or more motors (110) and a control system for controlling navigation of the inspection system (100) inside the predefined area. FIG. 1

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042516 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A MULTIFUNCTIONAL TABLE

(51)

International :H02J0007020000,G06F0001260000,A61H0023000000,H02J0050000000,G09B0005000000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to

Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

The present disclosure envisages a multifunctional table (100). The multifunctional table (100) comprises a table top (10) and a support frame (20). The table top (10) receives a health monitoring module (12), a wireless power delivery module (14), a display unit (16) and a cooling unit (18). The health monitoring module (12) is configured to monitor health parameters of a user. The wireless power delivery module (14) is configured to provide power to a plurality of devices. The cooling unit is configured to provide cooling to the plurality of devices. The support frame is configured to support the table top. The support frame includes an adjustable stem and a base. The adjustable stem extends vertically from the base and supports the table top.

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042531 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEMS AND METHODS FOR LIFETIME MANAGEMENT OF BATTERY PACK BY CREATING A DIGITAL COPY

(51) International :G06Q0010060000,B05B0007040000,G05F0001460000,A61K0008020000,H04N001960000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)SUN Mobility Pte Ltd</b> Address of Applicant :at77 High Street, #09-14 High Street Plaza, Singapore 179433 Singapore (72)Name of Inventor : <b>1)Aravind Sampathkumaran</b> <b>2)Srikant Narayan</b> <b>3)Chetan Kumar Maini</b>
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(57) Abstract :

ABSTRACT Methods and systems for lifetime management of battery pack by creating a digital copy. A method disclosed herein includes assembling at least one battery pack using at least one component of a plurality of components, wherein the battery pack is assembled by performing at least one of assembly line tests and high rate discharge tests on the plurality of components. The method further includes creating at least one digital copy of the at least one battery pack by performing at least one of insulation tests, communication tests, current calibration tests and End of Line (EOL), wherein the digital copy is stored in a data storage. The method further includes monitoring, tracing and managing the at least one battery pack using the created at least one digital copy when the at least one battery pack is deployed in at least one field. FIG. 4

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042537 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CARTRIDGE FOR ENHANCEMENT OF QUALITY OF WATER IN PURIFICATION APPARATUS

(51)

International :C02F0001280000,C02F0001000000,C02F0009000000,C02F0001440000,C02F0001420000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA

No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA

Number :NA  
Filing

Date

(62)  
Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a cartridge for enhancement of water in purification apparatus, more particularly a water purification system to enhance herbal properties into drinking water treated via the said purification system. The said purification system comprises a water inlet unit, a purification cartridge unit, a herbal cartridge unit, a storage unit and a water outlet unit. The purification cartridge unit further comprises the purification unit to purify water, and the herbal cartridge unit to release herbal constituents in the purified water. The herbal cartridge unit of the said purification system comprises elements that are packed to dispense plant properties in to the purified water. Furthermore, the herbal cartridge unit comprises Nutmeg, Cinnamon, Black pepper, Cloves, Cardamom or the like that provides health properties such as immunity, healthier skin, improved digestion, eliminate fatigue and stress, improved sleep etc., combining enhanced dietary supplement content to the user while ensuring safety and purity.

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042562 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SYNTACTIC FOAM COMPOSITION AND A METHOD OF PREPARATION THEREOF

(51)  
International :C08J0009320000,C08J0009000000,B29C0070660000,C08K0007260000,C04B0028040000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
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Application :NA  
Number :NA  
Filing  
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5)Dona Mathew

(57) Abstract :

The present application provides a syntactic foam composition and a method of preparation thereof. The syntactic foam composition comprises: (i) a thermosetting resin in an amount in the range of 20 vol% to 90 vol% based on the total volume of the syntactic foam composition; (ii) a filler in the form of hollow microspheres, wherein the filler comprises at least one of an inorganic filler and an organic filler in the range of 0 to 50 vol% based on the total volume of the syntactic foam composition; and (iii) reinforced fibers in an amount of 10 vol% to 50 vol% based on the total volume of the syntactic foam composition. The syntactic foam composition has a thermal conductivity in the range of 0.08 W/m K to 0.5 W/m K, compressive strength in the range of 25 MPa to 155 MPa and compression modulus in the range of 0.5 GPa to 9 GPa.

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042599 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SOLVENT FILLED MULTIWALLED CARBON NANOTUBES FOR ENHANCED ELECTROCHEMICAL SENSING APPLICATIONS

(51)

International:B82Y0030000000,G01N0027300000,G01N0027327000,G01L0009000000,H01B00010400  
classification 00

n

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional

to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A solvent filled multiwalled carbon nanotube for enhanced electrochemical sensing applications, is disclosed herein. MWCNTs (at ambient conditions) filled by the ACN, DMSO, DMF, THF, Acetic acid, diethyl ether and ethyl acetate which shows higher sensitivity for sensing of various analytes such as dopamine, ascorbic acid, uric acid and oxygen in aqueous solution.

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No. of Pages : 20 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2018

(21) Application  
No.201841042605 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : FABRICATION OF HIGH DENSITY TUNGSTEN ALLOY SPHERICAL PRE-FRAGMENTS

(51)

International :C22C0001040000,B22F0001000000,F42B0007040000,B22F0003240000,B22F0003100000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA

No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to  
Application :NA

Number :NA  
Filing

Date

(57) Abstract :

The present invention relates to fabrication of pre-fragments spherical alloys from homogenous mixture of Tungsten (W) -Nickel (Ni) Iron (Fe) metal powder using multi stage rotary compaction press. The alloy spheres possess high density and high ductility and hence can be used as pre-fragments projectiles in rocket. The quantity of raw material required to fabricate 100 Kg of spheres is reduced from 110 Kg to 105 Kg and the production rate has increased to 256 pellets per min.

No. of Pages : 13 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2018

(21) Application  
No.201841042655 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHODS AND SYSTEMS FOR TRANSMISSION OF TCP ACK PACKETS

(51) International :H04L0001180000,H04L0029060000,G11C0016040000,H04W0080060000,C07D0405040000 classification (31) Priority Document :NA No (32) Priority :NA Date (33) Name of priority :NA country (86) International Application :NA No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date	(71)Name of Applicant : <b>1)SAMSUNG ELECTRONICS CO., LTD</b> Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon- si, Gyeonggi-do 443- 742, Republic of Korea Republic of Korea (72)Name of Inventor : <b>1)Rohit Kumar 2)Tushar Vrind 3)Lalit Kumar Pathak</b>
--	---

(57) Abstract :

**ABSTRACT** Embodiments herein provide methods and systems for prioritization and reliable transmission of TCP ACK packets. The embodiments include reserving a predefined number of SNs in at least one of PDCP SN space and RLC SN space. The predefined number of reserved SNs can be allocated to the TCP ACK packets for transmission of the TCP ACK packets. If SNs are reserved in the at least one of the PDCP SN space and the RLC SN space, then the TCP ACK packets can be allocated starting SNs in the at least one of the PDCP SN space and RLC SN space, which can enable transmission of the TCP ACK packets without significant delay.

FIG. 2

No. of Pages : 37 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042673 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A VEHICULAR COLLISION AVOIDANCE SYSTEM

(51)

International :G08G0001160000,G01S0013930000,A61B0005145500,B60Q0001520000,B61L0023340000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

**ABSTRACT A VEHICULAR COLLISION AVOIDANCE SYSTEM** The present disclosure describes a vehicular collision avoidance system (100) for alerting at least one second trailing vehicle (101b) desirous of overtaking a first leading vehicle (101a). The system (100) comprises a plurality of sensors (105) in the vehicles for generating signals corresponding to the distance between the vehicles, a computational unit (115) for computing the distances between vehicles based on the signals received from the sensors (105), and indication means (120) mounted at the rear of the vehicles for indicating and alerting trailing vehicles. The system (100) reduces the number of fatal accidents.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042694 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : NOVEL INTRAOPERATIVE KERATOSCOPY DEVICE FOR REAL-TIME TITRATION OF SUTURE TIGHTNESS DURING CORNEAL TRANSPLANT SURGERY

(51)  
International :A61B009000000,A61B009020000,A61B0003130000,A61F0002140000,G02B0021220000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
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Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
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Application :NA  
Number :NA  
Filing  
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(57) Abstract :

The present invention relates to a novel intraoperative keratoscopy device for titrating suture tightness during corneal transplant surgery. The invention includes illuminated ring, fitted at the objective lens of the operating microscope during a corneal transplant surgery. The device of the present invention ensures all the sutures placed are of appropriate tightness to produce an astigmatically neutral corneal surface by the end of the surgery which result in better visual outcomes for the patient. Figure. 1(a)

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042695 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SECURITY MANAGEMENT BETWEEN NETWORK FUNCTION AND EDGE PROXY IN A COMMUNICATION SYSTEM

(51)

International :H04L0029060000,H04W0012020000,H04L0012460000,H04L0009080000,H04W0080040000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A method comprises initiating establishment of a secure tunnel by a network function in a communication network with a security proxy element in the communication network. Upon establishment of the secure tunnel, the method sends a message from the network function to the security proxy element over the secure tunnel. In another example, a security proxy element in a communication network initiates establishment of a secure tunnel with a network function in the communication network, and sends a message to the network function over the secure tunnel. In another example, multiple secure tunnels are established between a network function and a security proxy element. A secure tunnel is a virtual private network tunnel in one or more examples and is established using a transport layer-based security protocol or a network layer-based security protocol.

No. of Pages : 32 No. of Claims : 24

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042702 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN AUTOMATIC BATTER VENDING MACHINE

(51)

International :B01F0015020000,F25C0005200000,B01F0003180000,A23P0020120000,B01F0005100000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA

No :NA  
Filing

Date  
(87)

International : NA  
Publication

No  
(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date  
(62)

Divisional to  
Application :NA

Number :NA  
Filing

Date  
(57) Abstract :

The present invention relates to an apparatus for vending fresh batter based on user requirement. The apparatus comprises of at least one hopper 102, a mixing chamber 111, at least a screw conveyor 105, at least a gear mechanism 104, at least a motor arrangement 109, plurality of a sensor arrangement 108, a microcontroller along with PLC 101, a user interface 106, a water filter 112, a dispenser 113, a drain outlet 114 and payment interface 107. The hopper 102 includes at least a compartment 103A, 103B for storing batter powder. The screw conveyors 105 provided for transferring batter powder to the mixing chamber 111. The microcontroller along with PLC 101 configured to control the gear mechanism 104, motor arrangement 109 and sensor arrangement 108 for dispensing fresh batter instantly according to user input and after receiving payment 107 from the user thereby eliminating human intervention in batter preparation process. [Figure 1].

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

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2018

(21) Application  
No.201841042703 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SCAN REQUEST COMPRISING CONTACT IDENTIFIERS

(51)  
International :H04N0001387000,H04M0003493000,G06K0015000000,H04W0008000000,G06T0011600000  
classification  
(31) Priority  
Document :NA  
No

No  
(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country  
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Application :NA  
No :NA  
Filing

Date  
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International : NA  
Publication

No  
(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date  
(62)

Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

SCAN REQUEST COMPRISING CONTACT IDENTIFIERS Techniques for receiving a scan request and creating a proxy scan job by imaging devices are described. According to the present subject matter, a scan request is received from a contact identifier. Further, a proxy scan job corresponding to the scan request is created. Thereafter, a password corresponding to the scan request is generated and transmitted to the contact identifier.

No. of Pages : 34 No. of Claims : 15

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042712 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : PEANUT GRADING APPARATUS

(51)

International :G01N0033120000,A01D0029000000,B07B0001460000,A23N0005010000,B07B0001400000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a sieving apparatus for objective and qualitative grading of peanuts of varying sizes across the industry. The apparatus enables achieving a standardized mechanism to ascertain the grading quality of peanuts. Broadly, the apparatus comprises of a box made out of fiberglass with clear visibility and a provision (rings) to insert at least two sieves, which are specific to a particular grade of peanut i.e. the grade for which the quality of grading is tested.

No. of Pages : 19 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042721 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ADVANCEMENT OF EXHAUSTION, MIGRATION, ADSORPTION AND FIXATION OF DYESTUFF TO THE CELLULOSE MATERIALS

(51)  
International :D06P0003660000,A61Q0005100000,D06L0001120000,C25B0015080000,C01D0005000000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

The present invention related to a method of dyeing using the salt mixture as an electrolyte with 0.5 to 5.00 GPL of sodium chloride or sodium sulphate and alkali agents I and II to exhaust and fix the dyestuff to the cellulose material in the reactive dyeing wherein the fiber is treated with (i) the salt mixture with sodium chloride or sodium sulphate specifically, putting the pre-treated fiber maintained with pH between 3 and above and an (MLR) maintained between 1:20 and 1:3 at a temperature between 20°C and above and exhausted for between 15 minutes and above,(ii) the alkali agent I with a pH between 9.5 and above at a temperature between 30°C and above and stained for between 20 minutes and above(iii) the alkali agent II with a pH between 10.5 and above at a temperature between 30°C and above and stained for 40 minutes and above.

No. of Pages : 50 No. of Claims : 12

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841042752  
A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : AN INTER-VERTEBRAL SPACER DEVICE WITH A DELIVERY INSTRUMENT EMPLOYING A PROTRACTING PIN MECHANISM AND A METHOD FOR DEPLOYMENT

(51)

International :A61F0002440000,A61F0002300000,A61F0002460000,F16L0055280000,E05B002700000  
classification

(31) Priority

Document :NA

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(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

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Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The invention discloses an inter-vertebral spacer device (1) and its delivery instrument (17). The device (1) is in the shape of rectangular block made out of implantable metal which encloses a ~claw-like™ protractible pin system (4) directed to the superior and inferior faces. The claw mechanism (4) consist of two symmetrically opposite wedged plates (11) to which sets of pins (10) are integrated, and a double wedged key placed in between. The pins (10) will protrude through the perforations on the device (1) when the claw system (4) is operated by sliding the key. The delivery instrument consists of a cylindrical outer body (20), freely rotatable inner cylinder (21) with thimble (23) and an axial shaft (18) engaged via threads into the inner cylinder (21) and connected to a second thimble (24). The claw system (4) will be fully retracted (4a) into the spacer body before implantation. After engaging the inner cylinder (21) of the delivery instrument (17), the claw system (4) will be operated with the help of axis shaft (18).

No. of Pages : 29 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042761 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : HIGHLY SCALABLE & COST EFFECTIVE CLASSICAL PHOTONIC BIT PROCESSING & NON-CLASSICAL/QUBIT PROCESSING

(51)

International :G06N001000000,C07D0409060000,F21S0043140000,H01L0031090000,H04B0010270000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Abstract: A method- for developing and processing Highly Scalable and Cost Effective Classical Photonic Bit processing and Non-Classical/Qubit processing, The method involves the processing of classical bits with the help of an LED/LEDs, photoconductive devices and the processing of Non-classical bits/Qubits using LED/LEDs, photoconductive devices and possibilities to process the same using electromagnets and other such suitable phenomenon applying same methodology and principle

No. of Pages : 8 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042768 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : HPLC METHOD FOR ANALYSING SUGAMMADEX SODIUM

(51)

International :G01N0030340000,G06T0007000000,C12P0007160000,C07B0057000000,C12P0001040000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA

No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA

Number :NA  
Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to new HPLC methods for the analysis of the drug substance Sugammadex sodium. The present invention also relates to a method for analysing a substance, comprising the detection and optional quantification of one or more specific impurities.

No. of Pages : 16 No. of Claims : 10

(71)Name of Applicant :

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042810 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN ADAPTIVE ZONE BASED MPPT SCHEME FOR EXPLOITING THE MAXIMUM POWER FROM THE SOLAR PV ARRAY

(51)

International:H02J0003380000,G05F0001670000,G06Q0010080000,H02S0050000000,G06F00175000  
classification 00

n

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to :NA

Application :NA

Number :NA

Filing

Date

(62)

Divisional

to :NA

Application :NA

Number :NA

Filing

Date

(57) Abstract :

ABSTRACT Maximum power point tracking (MPPT) method for solar photo-voltaic (PV) system • Accordingly, embodiments herein disclose a MPPT method for a solar PV system (1000). The method includes identifying, by the solar PV system (1000), an operating zone. Further, the method includes automatically adjusting, by the solar PV system (1000), a direction of a perturbation step-size based on the operating zone. Further, the method includes identifying, by the solar PV system (1000), an optimal MPPT based on the adjusted direction of the perturbation step-size. The proposed method can be used to improve a steady-state MPPT efficiency and a tracking speed under constant/slow/fast varying irradiance conditions. FIG. 2

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042821 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : WORKLOAD PLACEMENT AND BALANCING WITHIN A CONTAINERIZED INFRASTRUCTURE

(51)

International:G06F0009500000,H04L0029080000,G06F0003060000,G06F0009480000,G06F00158000  
classification 00

n

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to :NA

Application :NA

Number :NA

Filing

Date

(62)

Divisional

to :NA

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Various examples are disclosed for workload placement and workload balancing across a cluster of nodes. Workloads can be migrated between nodes to free sufficient CPU and memory resources to place a new workload onto a cluster. Workloads can also be migrated between pods to balance CPU and memory utilization of nodes in a cluster.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application  
No.201841042830 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD AND SYSTEM FOR PREVENTING UNAUTHORIZED VIEWING OF CONTENT

(51)

International :G06F0021740000,G06F0021100000,H04M0003160000,H04W0012120000,G06K0007100000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Accordingly embodiments herein disclose a method for preventing unauthorized viewing of content. The method includes detecting that an immersive device is worn by an authorized user. Further, the method includes automatically creating a secure mode to prevent unauthorized viewing of the content by an unauthorized user. The secure mode displays the content in a correct format to the authorized user and in a wrong format to the unauthorized user. Further, the method includes automatically configuring an electronic device in the secure mode.

No. of Pages : 42 No. of Claims : 14

(71)Name of  
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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042842 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR EXTRACTING AND MANUFACTURING SUGARCANE JUICE

(51)

International :C13B0010020000,A23L0002040000,A23L0002460000,A23L0002020000,A23L0002740000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

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Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

SYSTEM AND METHOD FOR EXTRACTING AND MANUFACTURING SUGARCANE JUICE ABSTRACT System and method for extracting and manufacturing sugarcane juice are provided. The system includes a peeling unit, a washing unit, a crushing unit, a filtration unit to filter out extracted sugarcane juice from the crushing unit. a flavouring unit to add a pre-defined amount of ingredients and a pre-defined amount of flavouring agent to filtered sugarcane juice, a pasteurization and homogenization unit operatively configured to pasteurize and homogenize flavoured sugarcane juice at a pre-defined temperature, a packaging unit configured to fill pre-defined amount of pastured sugarcane juice in corresponding one or more containers and to seal the one or more containers by corresponding one or more seals using crown-fitting process to manufacture sugarcane juice. FIG. 1

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042874 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN ENERGY MEASUREMENT APPARATUS FOR ELECTRIC VEHICLES

(51)  
International :G01R0021133000,H02J0007000000,G01R0021060000,H02H0003080000,B60L0003000000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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JEYEVIJEYAN

(57) Abstract :

The present disclosure relates to the field of electric-vehicles and discloses an energy measurement apparatus (100) for electric-vehicles having an on-board charger. The apparatus (100) comprises a power detection unit (102), a repository (104), a measurement unit (106), and a fault detecting unit (110). The power detection unit (102) is configured to periodically measure voltage and current at the input of the on-board charger to calculate power values at each instance of time. The repository (104) is configured to store the voltage, current and power values and a pre-determined range of voltage and current values. The measurement unit (106) is configured to cooperate with the repository (104) to estimate charging time value for the electric-vehicle. The fault detecting unit (110) is configured to cooperate with the repository (104) for sensing and reducing charging side fluctuations and isolating the charger from external power supply when the fluctuations exceed a predetermined limit.

No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841042881 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : AN OPTICAL NANO-MANIPULATOR FOR PARTICLES IN A FLUID

(51)

International :B82Y0020000000,G02B0021320000,H05H0003040000,G02F0001290000,G02B0001000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

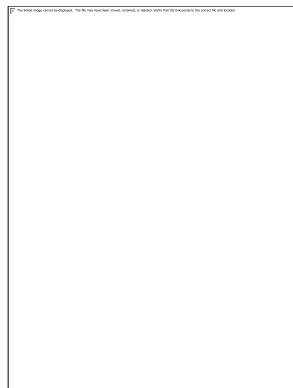
Number :NA

Filing

Date

(57) Abstract :

A Colloidal Optical Tweezer (CPT) 100 for use in a colloidal solution containing nano particles is disclosed, comprising a disc 102 of plasmonic material coupled to an end of a dielectric nanorod 104. When a low power polarised laser beam is focussed on the CPT 100, the disc works as a plasmonic antenna to trap the nano particles based on a plasmonic gradient force of localized and enhanced electromagnetic intensity in optical near field generated by the discs, and the CPT100 is trapped to the light beam on account of far field optical forces acting on the dielectric nanorod as a result of the light beam. Steering the light beam enables movement of the CPT100 to desired locations where the trapped nano particles can be released. The CPT100 can work in any microfluidic chamber, i.e. does not require nano patterned surfaces.



No. of Pages : 35 No. of Claims : 17

(71) Name of Applicant :

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042885 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : EJECTOR WITH HANDLING MEMBER

(51)

International :G06F0001180000,H05K0005020000,G06F0001160000,H05K0007140000,H01R001362900  
classification

n

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

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No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

An ejector for locking and unlocking of a module in a device is disclosed. The ejector comprises an actuator pivotally coupled to a chassis of the device to rotate about its pivot axis to move between a locked position and an unlocked position. The rotation of the actuator at the locked position and at the unlocked position facilitates locking and unlocking of the module respectively with the chassis of the device. The ejector further comprises a handling member configured for detachable attachment to the actuator.

Movement of the handling member in a first direction enables the actuator to move to the locked position and movement of the handling member in a second direction that is opposite to the first direction enables the actuator to move to the unlocked position.

No. of Pages : 18 No. of Claims : 10

(71)Name of Applicant

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042886 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ELECTRONIC DEVICE AND METHOD FOR RECORDING MULTIMEDIA FILE

(51)  
International :H04N0005330000,G11B0027034000,H04N0005247000,H04N0021239000,G01S0017100000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

Embodiments herein provide a method for recording a multimedia file using an electronic device. The method includes previewing a scene comprising a plurality of objects in a field of view of a camera of the electronic device and detecting at least one of a shape event and a sound event associated with at least one object from the plurality of objects in the scene. Further, the method includes determining at least one of a recording mode and an effect for the at least one object based on at least one of the sound event and the shape event and automatically applying at least one of the recording mode and the effect. The method also includes recording the multimedia file comprising the at least one object in at least one of the recording mode video and the effect and storing the multimedia file. FIG. 1A

No. of Pages : 54 No. of Claims : 24

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application  
No.201841042891 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CLEANSING COMPOSITION WITH COLOUR INDICATION FOR DENTAL APPLIANCE

(51)  
International :A61Q0011020000,G01N0031220000,A61K0008220000,A61K0008460000,A61K0008810000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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3)Rajesh Kapoor

(57) Abstract :

A cleansing composition with colour indication for dental appliance, more particularly denture apparatus wherein the said composition comprises a perborate compound, a persulfate compound, one or more chelating agent and a combination of indicator dye compound, wherein said composition when immersed with the denture apparatus accurately indicates the completion of the cleansing process. The said combination of indicator dye compound indicator is added tartarazine supra colour and brilliant blue FCF which impart a blue colour to the cleansing solution prior to immersing of the denture apparatus, and turn into green colour accurately indicating the completion of the cleansing process. The cleansing solution of the present invention overcomes the advantage of the prior art, wherein the denture apparatus are soaked for longer period of time, for not having an indicator to indicate the completion of the cleansing action causing damages to the said appliance over continuous use.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application  
No.201841042896 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SYSTEM AND METHOD FOR SERVICE ENABLER ARCHITECTURE

(51)

International :H04L0029060000,H04W0040240000,H04W0084180000,H04W0028180000,H01L0023580000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

ABSTRACT SEAL system and method for provisioning inter-services communication in SEAL system of wireless communication network • Embodiments herein provide a service enabler architecture layer (SEAL) system for a wireless communication network. The SEAL system includes a SEAL function entity comprising a plurality of SEAL service servers corresponding to a plurality of functionalities associated with service applications, where the SEAL function entity is an intermediate layer between a 3GPP network core and a service application system. The SEAL system also includes a plurality of interfaces provided by the plurality of SEAL service servers. The SEAL system also provisions inter-services communication in SEAL system of wireless communication network by receiving a request from a service application system for accessing at least one functionality of a plurality of functionalities, determining at least one functionality of the plurality of functionalities requested by the service application system based on the request; and providing at least one functionality to the service application system based on the inter-services communication in the SEAL system. FIG. 1

No. of Pages : 63 No. of Claims : 24

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201841042900 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : EDIBLE ANTIOXIDANT COMPOSITION

(51)

International :A61Q0019000000,A61K0036480000,C11B0005000000,A23L0025000000,A23L0019100000  
classification

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(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition  
to

Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

EDIBLE ANTIOXIDANT COMPOSITION The present disclosure discloses an edible antioxidant composition comprising roasted seed coat powder of tamarind and a food matrix, wherein the roasted seed coat powder has a weight percentage in a range of 0.01-3% with respect to the composition. The composition as disclosed in the present disclosure exhibits enhanced antioxidant capacity. Also, appropriate method for preparing the composition has been disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201944019726  
A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : SELF-CLEANING WATER TOWER

(51)

International :E04H0012300000,A01G0027000000,F24H0009000000,E03B0011020000,B43K0013020000  
classification

(31) Priority

Document :107140106

No

(32) Priority :12/11/2018  
Date

(33) Name  
of priority :Taiwan  
country /region

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A self-cleaning water tower has a water tank (10), a water filling tube (20), and a water supplying tube (30). A water storing space (11) and a water outlet (12) are formed in the water tank (10). The water outlet (12) is disposed on a lowest end inside the water tank (10), and is opened or closed by operation. The water filling tube (20) and the water supplying tube (30) are mounted through the water tank (10). Therefore, the influent water from the water filling tube (20) will clean up side surfaces inside the water tank (10). The washed out limescale will then precipitate on a bottom surface and can be discharged when the water outlet (12) is opened, thereby keeping the water tank (10) clean. Besides, because the opening of the water supplying tube (30) has a higher position compared to the water outlet (12), the bottom part of the water will not be supplied to the user, ensuring quality of the water supply. Figure 1

No. of Pages : 16 No. of Claims : 8

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201944021501  
A

(19) INDIA

(22) Date of filing of Application :30/05/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : LINEAR MOTOR, COOLING EQUIPMENT COMPRESSOR, COOLING EQUIPMENT AND STATOR APPLICABLE IN A LINEAR MOTOR

(51)

International :F04B0035040000,H02K0041030000,B65G0054020000,G01D0005200000,H02K0041020000  
classification

(31) Priority

Document :BR102018073558-6

No

(32) Priority :14/11/2018  
Date

(33) Name  
of priority :Brazil

country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
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to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

There is described a linear motor (1) comprising: a stator (2) defining at least an air gap area (10), at least one coil (3) associated to the stator (2), wherein a magnetic flow moves over at least one portion of the stator (2) and over a portion of the air gap area (10), wherein the linear motor (1) comprises a magnetic body (5) disposed in the air gap area (10), wherein a movement parameter of the magnetic body (5) in the air gap area (10) causes movement of a piston (7) of the linear motor (1), wherein the linear motor (1) further comprises: at least one magnetically permeable element (20, 20A, 20B) disposed in the air gap area (10) and adjacently to the magnetic body (5), wherein the movement parameter of the magnetic body (5) is cooperative to the movement parameter of the magnetically permeable element (20, 20A, 20B). A compressor, cooling equipment and stator (2) applicable in a linear motor are also addressed.

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No. of Pages : 34 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201944035484 A

(19) INDIA

(22) Date of filing of Application :03/09/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AUTOMATIC ROUTING OF CONNECTION REQUESTS IN BUSINESS INTELLIGENCE (BI) TOOLS

(51)  
International :G06Q0050000000,H04L0029060000,G06Q0050060000,H04R0001100000,A61B000500000  
classification  
(31) Priority  
Document :16/189,135  
No

(32) Priority :13/11/2018  
Date

(33) Name  
of priority :U.S.A.  
country  
(86)

International  
Application :NA  
No :NA

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Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

ABSTRACT A method and system including one or more data sources; a memory storing processor-executable process steps; and a processor to execute the processor-executable process steps to cause the system to: initiate a business intelligence (BI) tool; connect to a BI platform; receive selection of an initiate query control; retrieve one or more database coupling components, wherein each database coupling component corresponds to a data source; display the retrieved one or more database coupling components; and receive selection of at least one of the retrieved one or more database coupling components to provide data in response to execution of a query. Numerous other aspects are provided.

No. of Pages : 29 No. of Claims : 20

(71)Name of Applicant  
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/11/2019

(21) Application  
No.201944044852 A

(43) Publication Date  
: 15/05/2020

(54) Title of the invention : METHOD AND APPARATUS OF IMPROVING CONNECTION FOR SIDELINK  
COMMUNICATION IN A WIRELESS COMMUNICATION SYSTEM

(51)  
International :H04W0076140000,H04W0004020000,H04W0040220000,H04W0012040000,H04W0008000000  
classification  
(31) Priority  
Document :62/758,398  
No

(32) Priority :09/11/2018  
Date

(33) Name  
of priority :U.S.A.  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)

International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)

Divisional to  
Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

A method and apparatus are disclosed from the perspective of a first device. In one embodiment, the method includes the first device broadcasting a first message, wherein the first message is used to request the unicast link establishment, and the first message includes an upper layer identifier of the first device. The method also includes the first device receiving a second message from a second device for completing the unicast link establishment, wherein the second message includes an upper layer identifier of the second device.

No. of Pages : 61 No. of Claims : 20

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201944044899 A

(19) INDIA

(22) Date of filing of Application :05/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD OF CONTROLLING SPINDLE OF SPINNING MACHINE AND SPINDLE CONTROL DEVICE

(51)  
International :B60W0010060000,D01H0013320000,D01H0004020000,D01H0001260000,D01H0001340000  
classification  
(31) Priority  
Document :2018-212608

No

(32) Priority :13/11/2018  
Date

(33) Name  
of priority :Japan  
country  
(86)

International  
Application :NA  
No :NA

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Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A method of controlling a spindle (1) of a spinning machine in which the spindle (1) is provided for each of a plurality of spindle stations, includes a setting process (S1) setting a target rotation speed and a target number of yarn breakages for each interval, a detection process (S2) detecting a number of yarn breakages for the plurality of spindle stations, a calculation process (S3) calculating a difference between the number of yarn breakages and the target number of yarn breakages, a classification process (S4) classifying a changing trend in the difference for multiple intervals, a change process (S5) changing the target spindle rotation speed applied to the next interval, and a control process (S6) controlling the spindle rotation speed in the next interval based on a changed target spindle rotation speed during the spinning process. [Figure 1]

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No. of Pages : 22 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/11/2019

(21) Application  
No.201944044984 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : DISPLAY APPARATUS AND METHOD OF CONTROLLING THE SAME •

(51)  
International :H04N0005440000,H04N0005330000,H04N0019440000,H04N0019800000,H04N0021485000  
classification  
(31) Priority  
Document :10-2018-0138373  
No

No  
(32) Priority :12/11/2018  
Date

(33) Name  
of priority :Republic of Korea  
country

(86)  
International  
Application :NA  
No :NA  
Filing  
Date

(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

DISPLAY APPARATUS AND METHOD OF CONTROLLING THE SAME Disclosed are a display apparatus and a method of controlling the same, the display apparatus including: a video decoder configured to decode a video signal; and an artificial intelligence (AI) scaler including a plurality of filters provided to make an output of a certain filter be used as an input of another filter, and configured to control a resolution of an image by processing the decoded video signal, each of the plurality of filters being selectively turned on or off based on a control signal, the filter being turned on processing the video signal based on a parameter set by learning, and the filter being turned off bypassing and outputting the input video signal. FIG. 1

No. of Pages : 65 No. of Claims : 15

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201944045013 A

(19) INDIA

(22) Date of filing of Application :06/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR PROCESSING AN IMAGE

(51)

International :H04N0005330000,G01J0005200000,B29C0065000000,G01J0005220000,G01R0031280000  
classification

(31) Priority

Document :1860396

No

(32) Priority :09/11/2018  
Date

(33) Name

of priority :France  
country

(86)

International

Application :NA

No :NA  
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Date

(87)

International : NA  
Publication

No

(61) Patent  
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to  
Application :NA

Number :NA  
Filing

Date

(62)

Divisional to

Application :NA

Number :NA  
Filing

Date

(57) Abstract :

The invention relates to a method for processing a raw image characterized by raw measurements  $Sp(i,j)$  that are associated with active bolometers  $Bpix_{(i,j)}$  of an imager (1), which bolometers are arranged in a matrix array, the imager (1) being at an ambient temperature  $Tamb$  and furthermore comprising blind bolometers  $Bb_{(k)}$ , the method, which is executed by a computer (4) that is provided with a memory, comprising the following steps: a) a step of calculating the electrical resistances  $RTc_{(i,j)}$  and  $RTc_{(k)}$ , at the temperature  $Tamb$ , of the active and blind bolometers, respectively, from their respective electrical resistances  $RTr_{(i,j)}$  and  $RTr_{(k)}$  at a reference temperature  $Tr$ , said resistances being stored in the memory; b) a step of determining the temperatures  $Tsc_{(i,j)}$  actually measured by each of the active bolometers  $Bpix_{(i,j)}$  from the electrical resistances calculated in step a) and from the raw measurements  $Sp_{(i,j)}$ . Figure 2.

No. of Pages : 21 No. of Claims : 13

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201944045019 A

(19) INDIA

(22) Date of filing of Application :06/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : DEVICE FOR ELECTRICALLY CONNECTING THE DOWNSTREAM TERMINALS OF AN ELECTRICAL PROTECTION UNIT

(51)

International :H01R0009260000,H01H0071080000,H04W0072080000,H01R0009050000,H01R0013659200  
classification

(31) Priority

Document :18 60407

No

(32) Priority :12/11/2018  
Date

(33) Name  
of priority :France  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to an electrical connection device intended to be connected to at least one terminal of elastic type of a so-called first modular electrical protection unit intended to be mounted on a mounting rail and connected electrically to another so-called second unit. This device is characterized in that it comprises, on the one hand, a removable connector N housed in a housing, said connector comprising at least one tooth (3) extending outward from the housing B, the tooth or teeth being able to be plugged removably into, respectively, said abovementioned terminal or terminals (1, 2), so as to establish the electrical connection between each tooth (3) and the land of the corresponding terminal (1, 2), the or each tooth (3) being linked mechanically and electrically inside the connector N to a contact land, and, on the other hand, at least two orifices (13, 14) provided in the housing to allow the introduction of the end parts of, respectively, at least two electrical cables, until an electrical contact is established between these end parts and the abovementioned corresponding land, and elastic retaining means for retaining these end parts in a position of contact with the abovementioned land. Fig. 3

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201944045243 A

(19) INDIA

(22) Date of filing of Application :07/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD OF DETERMINING AN INDUCTION FACTOR FOR A WIND TURBINE EQUIPPED WITH A LIDAR SENSOR

(51)

International :G01S0017930000,F03D0007020000,F03D0007040000,G01S0007497000,G01S0017950000  
classification

(31) Priority

Document :18/71.455

No

(32) Priority :12/11/2018  
Date

(33) Name  
of priority :France  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a method of determining an induction factor of the wind for a wind turbine (1) equipped with a LiDAR sensor (2). For this method, wind speed measurements are performed in several measurement planes (PM) by means of LiDAR sensor (2), then induction factors between measurement planes (PM) are determined by means of the measurements and of a linear Kalman filter, and the induction factor between a measurement plane (PM) and the rotor plane (PR) of wind turbine (1) is deduced by means of a second linear Kalman filter. Figure 1

No. of Pages : 35 No. of Claims : 10

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201944045338 A

(19) INDIA

(22) Date of filing of Application :07/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : DISPLAY PANEL

(51)

International :G02F0001133500,G02F0001134300,G02F0001136200,H01L0027120000,H01L0027320000  
classification

(31) Priority

Document :10-2018-0136970

No

(32) Priority :09/11/2018  
Date

(33) Name  
of priority :Republic of Korea  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

A display panel (DP) includes a first display substrate (200) including first to third pixel areas (PXA-R, PXA-G, PXA-B) and a light blocking area (NPXA) that is adjacent to the first to third pixel areas (PXA-R, PXA-G, PXA-B) and a second display substrate (100) including first to third display elements respectively overlapping the first to third pixel areas (PXA-R, PXA-G, PXA-B). The first display substrate (200) includes a base substrate (BS2), a first color filter (CF-R) overlapping the first pixel area (PXA-R) and having a first color, a second color filter (CF-G) overlapping the second pixel area (PXA-G) and having a second color different from the first color, a third color filter (CF-B) disposed on the base substrate (BS2), having a third color different from the first and second colors, and including a filter portion (BP1) overlapping the third pixel area (PXA-B) and a light blocking portion (BP2) overlapping the light blocking area (NPXA), and a light blocking member (SHD) disposed on the light blocking portion (BP2) and containing a black organic pigment (PM). FIG. 4



No. of Pages : 56 No. of Claims : 20

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201944045698 A

(19) INDIA

(22) Date of filing of Application :11/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR HEATING IN PARTICULAR MILK OR MILK FOAM, TOGETHER WITH A DEVICE FOR CARRYING OUT THE METHOD

(51)

International :A47J0031440000,A47J0043120000,F01K0013020000,D21F0005020000,G01F0015080000  
classification

(31) Priority

Document :01392/2018

No

(32) Priority :12/11/2018  
Date

(33) Name  
of priority :Switzerland  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

With a method for heating in particular milk or milk foam, in which the milk or the milk/air mixture is conveyed through a passage opening (20) and hot steam is conveyed through at least one steam line (11) transversely into this passage opening (20). The latter and the at least one inlet opening (19) opening transversely into the steam line (11), the steam pressure in this and the pressure and the pressure in the passage opening (20) with flowing milk or milk/air mixture are so coordinated that the hot steam at the at least one transverse inlet opening (19) condenses in the passage opening (20) directly on contact with the milk or the milk/air mixture.

Consequently the additional energy produced by the phase change from steam to condensate water is transmitted directly as heat to the heat in the milk or the milk/air mixture. Figure 1

No. of Pages : 10 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201944046041 A

(19) INDIA

(22) Date of filing of Application :13/11/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : HYDRAULIC GEOFRACTURE ENERGY STORAGE SYSTEM WITH DESALINATION

(51)

International :F03B0013060000,F03D0009170000,B65G0005000000,H02K0007180000,C02F0001440000  
classification

(31) Priority

Document :16/188,786

No

(32) Priority :13/11/2018  
Date

(33) Name  
of priority :U.S.A.  
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(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to :NA

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

Energy may be stored by injecting fluid into a fracture in the earth and producing the fluid back while recovering power and/or desalinating water. The method may be particularly adapted to storage of large amounts of energy such as in grid-scale electric energy systems. The fracture may be formed and treated with resin so as to limit fluid loss and to increase propagation pressure. The fluid may be water containing a dissolved salt or fresh water and a portion or all of the water may be desalinated using pressure in the water when it is produced.

No. of Pages : 27 No. of Claims : 18

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/01/2019

(21) Application No.201947000102 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : FEEDBACK TRANSMISSIONS FOR MIXED SERVICES

---

(51) International classification

:H04L 1/18

(31) Priority Document No

:PCT/CN2017/110887

(32) Priority Date

:14/11/2017

(33) Name of priority country

:Argentina

(86) International Application No

:PCT/CN2018/115198

Filing Date

:13/11/2018

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

(71)Name of Applicant :

**1)TELEFONAKTIEB OLAGET LM ERICSSON (PUBL)**

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(72)Name of Inventor :

**1)LIU, Jinhua**

**2)WANG, Min**

---

(57) Abstract :

FEEDBACK TRANSMISSIONS FOR MIXED SERVICES A method for communications is proposed. The method comprises obtaining configuration information from a network node. The configuration information is related to resource configurations of feedback transmissions with respect to data transmissions from the network node to the terminal device for different types of services. The method further comprises determining a correspondence between the resource configurations and the different types of services based at least in part on the configuration information.

No. of Pages : 56 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201947005852 A

(19) INDIA

(22) Date of filing of Application :14/02/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : LEAD STORAGE BATTERY AND TERMINAL RUST PREVENTION METHOD FOR THE SAME

(51) International classification	:H01M 2/30,H01M 2/22,H01M 2/26,H01M 2/32	(71) <b>Name of Applicant :</b> <b>1)THE FURUKAWA BATTERY CO., LTD.</b> Address of Applicant :2-4-1 Hoshikawa, Hodogaya-ku, Yokohama City, Kanagawa 240-0006 Japan
(31) Priority Document No	:2018-118483	(72) <b>Name of Inventor :</b>
(32) Priority Date	:22/06/2018	<b>1)YABUKI, Shuichi</b>
(33) Name of priority country	:Japan	<b>2)NAKANO, Kenji</b>
(86) International Application No Filing Date	:PCT/JP2018/041850 :12/11/2018	<b>3)WATANABE, Toshio</b>
(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	

(57) Abstract :

Even in a high-temperature and high-humidity environment, oxidization of terminals can be prevented, and discoloring caused by chemical reaction of the terminals and a material used for rust prevention can be avoided. In a lead storage battery including: a battery main body 2; and terminals 3 including a positive electrode terminal and a negative electrode terminal which are exposed outside the battery main body 2, the terminals 3 are covered with rosin, thereby preventing the terminals 3 from rusting.



No. of Pages : 23 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201947035096 A

(19) INDIA

(22) Date of filing of Application :30/08/2019

(43) Publication Date :  
15/05/2020

(54) Title of the invention : WIRELESS CHARGING RECEIVER, CHARGING SYSTEM AND TERMINAL

(51)

International :H02J0007020000,H02J0007000000,H02J0050100000,H04B0005000000,H02J0050400000  
classification

(31) Priority

Document :201811137 409.2

No

(32) Priority :-

Date

(33) Name

of priority :China  
country

(86)

International

Application :PCT/CN2018/115420

No :14/11/2018

Filing

Date

(87)

International :NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present disclosure relates to a wireless charging receiver, a charging system, and a terminal. The wireless charging receiver includes: a receiving coil, configured to couple an alternating magnetic field of a transmitting coil of a wireless charging transmitter, to obtain an AC power supply; a receiving chip, having an input coupled to the receiving coil and an output coupled to an input of a switched-capacitor conversion chip, and configured to convert the AC power supply into a first DC power supply; and the switched-capacitor conversion chip, having an output coupled to a battery, and configured to output a second DC power supply based on the first DC power supply, and charge the battery based on the second DC power supply, a voltage of the second DC power supply being lower than a voltage of the first DC power supply, and a current of the second DC power supply being greater than a current of the first DC power supply.

No. of Pages : 40 No. of Claims : 17

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(72)Name of Inventor :  
1)MA, Qiang

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201947039282 A

(19) INDIA

(22) Date of filing of Application :27/09/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : ORGANIC LIGHT-EMITTING DIODE DISPLAY SCREEN AND ELECTRONIC DEVICE

(51)

International :H01L0027320000,H01L0051520000,G09G0003322500,G09G0003323300,G09G0003325800  
classification

(31) Priority

Document :201811109061.6

No

(32) Priority :21/09/2018

Date

(33) Name  
of priority :China  
country

(86)

International

Application :PCT/CN2018/114571

No :08/11/2018

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(71)Name of Applicant :

1)BEIJING XIAOMI MOBILE SOFTWARE CO.,  
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City Shopping Mall II of China Resources, NO. 68,  
Qinghe Middle Street, Haidian District Beijing 100085  
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(72)Name of Inventor :

1)BIAN, Qingfang

(57) Abstract :

The present disclosure relates to an organic light-emitting diode (OLED) display screen and an electronic device. The OLED display screen includes, in a horizontal direction, a first region and a second region; and in a vertical direction, a first film layer, a first electrode, a second film layer, and a second electrode which are sequentially overlaid on the first film layer. The first film layer in the first region of the OLED display screen is provided with driving elements, and the first film layer in the second region of the OLED display screen is provided with no driving element. One or more first light-emitting elements are arranged in the second film layer in the first region of the OLED display screen, one or more second light-emitting elements are arranged in the second film layer in the second region of the OLED display screen, and the one or more first light-emitting elements and the one or more second light-emitting elements are driven by the one or more driving elements to emit light. The one or more first light-emitting elements and the one or more second light-emitting elements are electrically connected to the one or more driving elements through the first electrode; and the one or more first light-emitting elements and the one or more second light-emitting elements are electrically connected to the second electrode.



No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application  
No.202042013923 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : METHOD FOR HANDLING A RANDOM ACCESS CHANNEL PROCEDURE AT USER EQUIPMENT

(51)  
International :H04W0074080000,H04W0052500000,H04W0074000000,H04L0005000000,H04W0052140000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication  
No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :364/CHE/2015  
Number :23/01/2015

Filed

on

(57) Abstract :

ABSTRACT METHOD FOR HANDLING A RANDOM ACCESS CHANNEL PROCEDURE AT USER EQUIPMENT Embodiments herein provide a method implemented by a User Equipment (UE) (300) for handing Random Access Channel (RACH) procedure. The method comprising initiating the RACH procedure on a secondary cell served by a second frequency upon activation; preparing a RACH preamble transmission to obtain an uplink synchronization on the secondary cell; detecting that one of the activated secondary cell served by the second frequency is unavailable based on channel sensing and transmission power is limited to perform parallel RACH on the primary cell and the secondary cell; dropping the transmission of the RACH preamble; indicating a power suspension for not incrementing a preamble transmission counter to avoid the transmission power ramping; and starting a timer for holding the RACH preamble. FIG. 16



No. of Pages : 102 No. of Claims : 7

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3)Soenghun Kim  
4)Jaehyuk Jang  
5)Kyeongin Jeong

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202042014776  
A

(19) INDIA

(22) Date of filing of Application :02/04/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD OF PERFORMING DEVICE TO DEVICE COMMUNICATION BETWEEN USER EQUIPMENTS

(51)

International :G01N0033533000,H05B0031000000,B01J0020286000,C02F0003280000,B63C0007260000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to

Application :5430/CHE/2014  
Number :30/10/2014

Filed

on

(57) Abstract :

ABSTRACT OF THE INVENTION METHOD OF PERFORMING DEVICE TO DEVICE COMMUNICATION BETWEEN USER EQUIPMENTS The present invention discloses a method of performing device to device communication between user equipments (UEs). The method comprises determining a security feature to be applied on one or more PDCP (packet data convergence protocol) data units at a transmitting UE, processing the one or more PDCP data units at the transmitting UE, based on the determination of the security feature applied status before transmitting the one or more PDCP data units to one or more receiving UEs, and processing the one or more PDCP data units received from the transmitting UE at the one or more receiving UEs, based on the security feature applied status, and performing communication between the transmitting UE and one or more receiving UEs using one or more processed PDCP data units. Figure 3, 4

No. of Pages : 36 No. of Claims : 20

(21) Application No.202042014776

A

(43) Publication Date : 15/05/2020

(71)Name of Applicant :

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1)AGIWAL, Anil  
2)RAJADURAI, Rajavelsamy  
3)CHANG, Youngbin

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202045012082 A

(19) INDIA

(22) Date of filing of Application :20/03/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A METHOD OF AUTHENTICATING A USER AT A PERIPHERAL APPARATUS

(51)  
International :H04L0029060000,G06Q0050000000,H04W0084120000,G06F0021410000,H04W0012080000  
classification  
(31) Priority  
Document :13154974.3

No  
(32) Priority :12/02/2013  
Date

(33) Name  
of priority :EUROPEAN UNION  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date

(62)  
Divisional to  
Application :548/CHE/2014  
Number :06/02/2014  
Filed  
on

(57) Abstract :

A method of authenticating a user at a peripheral apparatus (10) is provided. A mobile device (11) determines (S2202) a first piece of identification information by sending (S2205) an access request to the peripheral apparatus (10) via a social networking service, the access request comprising the determined first piece of identification information and a second piece of information identifying the user's social networking service account. The peripheral apparatus (10) receives the access request via the social networking service and determining (S2302) based on the access request information whether the user is authorised to access the peripheral apparatus (10). In a case that the peripheral apparatus (10) determines based on the access request that the user is authorised to access the peripheral apparatus (10), the peripheral apparatus (10) allows (S2303) the user access to the peripheral apparatus (10).

No. of Pages : 107 No. of Claims : 19

(71)Name of  
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1)PARKS,  
Benjamin John

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.202045014802 A

(19) INDIA

(22) Date of filing of Application :02/04/2020

(43) Publication Date :  
15/05/2020

(54) Title of the invention : REAGENT DOSER DIAGNOSTIC SYSTEM AND METHOD

(51)

International :F01N0003200000,F01N0011000000,B01D0053940000,F01N0013000000,F01N0003100000  
classification

(31) Priority

Document :14/050,557

No

(32) Priority :10/10/2013  
Date

(33) Name  
of priority :U.S.A.

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :4935/CHE/2014

Number :30/09/2014

Filed

on

(57) Abstract :

ABSTRACT Systems and methods are disclosed for determining or diagnosing a reagent dosing system failure to provide sufficient reagent to an exhaust aftertreatment system that includes an SCR catalyst to satisfy a reagent dosing command. Figure 1 and 2

No. of Pages : 21 No. of Claims : 3

(71)Name of Applicant :

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SOLUTIONS INC.

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(72)Name of Inventor :

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2)Clyde W. Xi  
3)Mickey R. McDaniel  
4)Baohua Qi  
5)Paul C. McAvoy

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/03/2020

(21) Application No.202047010941 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : NETWORK ENTITY, USER EQUIPMENT AND METHOD FOR THE CONTROL AND USE OF NETWORK SLICES

(51) International classification	:H04W 60/00,H04L 12/24,H04W 48/20	(71) <b>Name of Applicant :</b> <b>1)HUAWEI TECHNOLOGIES CO., LTD.</b> Address of Applicant :Huawei Administration Building Bantian Longgang District Shenzhen, Guangdong 518129 China
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/EP2017/072189	(72) <b>Name of Inventor :</b>
Filing Date	:05/09/2017	<b>1)WEI, Qing</b>
(87) International Publication No	:WO 2019/048021	<b>2)JIN, Yinghao</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A network entity is proposed for controlling the use, by a user equipment, of network slices of a communication network comprising a plurality of slice support areas. Each slice support area comprises at least one cell, and all cells of a given slice support area support the same network slices. A registration area for the registration of the user equipment with the communication network comprises at least one slice support area. The network entity is adapted to transmit, to the user equipment, slice support information for at least one slice support area of the communication network. The slice support information for a given slice support area indicates at least one network slice supported by the given slice support area and/or at least one network slice not supported by the given slice support area.

No. of Pages : 29 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/03/2020

(21) Application No.202047010951 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : PROJECTION LENS

(51) International classification	:G02B 13/18,G02B 13/00,G02B 11/08,G02B 9/16	(71) <b>Name of Applicant :</b> <b>1)ZHEJIANG SUNNY OPTICAL CO., LTD</b> Address of Applicant :No. 66-68 Shunyu Road Yuyao, Ningbo City Zhejiang 315400 China
(31) Priority Document No	:201810195485.2	(72) <b>Name of Inventor :</b>
(32) Priority Date	:09/03/2018	<b>1)WANG, Xinquan</b>
(33) Name of priority country	:China	<b>2)HUANG, Lin</b>
(86) International Application No Filing Date	:PCT/CN2018/114515 :08/11/2018	
(87) International Publication No	:WO 2019/169889	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed is a projection lens. The projection lens sequentially comprises from an image source side to an imaging side along an optical axis: a first lens, a second lens, and a third lens. The first lens has a positive focal power, and the surface thereof near the image source side is convex; the second lens has a positive focal power or a negative focal power; the third lens has a positive focal power, and is a meniscus lens with the surface near the imaging side convex. An image source height ImgH of the projection lens and a total effective focal length f of the projection lens meet  $ImgH/f < 0.2$ .

No. of Pages : 33 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/03/2020

(21) Application No.202047011584 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : DC POWER SUPPLY SYSTEM

(51) International classification	:H01M 10/48,H01M 10/44,H01M 10/613,H01M 10/633,H02J 7/34	(71) <b>Name of Applicant :</b> <b>1)TDK CORPORATION</b> Address of Applicant :2-5-1, Nihonbashi, Chuo-ku, Tokyo 103-6128 Japan
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)MITSUNAGA, Takuma</b>
(33) Name of priority country	:NA	<b>2)NAOI, Katsuo</b>
(86) International Application No	:PCT/JP2017/036591	<b>3)SUZUKI ,Shingo</b>
Filing Date	:10/10/2017	
(87) International Publication No	:WO 2019/073508	
(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 provides a DC power supply system capable of delaying the gradual deterioration of a storage battery. The DC power supply system includes a temperature measurement unit 8 for measuring the temperature of storage batteries 111-11n. A power control device 9 compares a temperature measured by the temperature measurement unit 8 with a reference temperature. When the temperature of the storage batteries 111-11n in a charged state exceeds the reference temperature, the power control device decreases the power to be generated and/or increases the load power so that the absolute value of the differential power between the power generated by generators 3a, 3b and the load power applied to load devices 71a, 71b is less than or equal to a predetermined power, and when the temperature of the storage batteries 111-11n in a discharged state exceeds the reference temperature, the power control device increases the power to be generated and/or decreases the load power so that the absolute value of the differential power is less than or equal to the predetermined power.

No. of Pages : 49 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :18/03/2020

(21) Application No.202047011585 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : BEARING UNIT WITH THREE BEARINGS INCLUDING A PRELOAD BEARING, IN PARTICULAR FOR A PAPER PROCESSING TOOL

(51) International classification	:F16C 25/06,F16C 13/02,F16C 23/10	(71) <b>Name of Applicant :</b> <b>1)BOBST MEX SA</b> Address of Applicant :Route de Faraz 3, CH-1031, Mex Switzerland
(31) Priority Document No	:17020436.6	
(32) Priority Date	:22/09/2017	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/EP2018/025241 :21/09/2018	<b>1)DITTLI, Oskar</b> <b>2)ROBADEY, Pierre</b>
(87) International Publication No	:WO 2019/057340	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Bearing unit, in particular for rotary processing tool. This invention discloses a very compact play-free bearing unit. The bearing runs without play while having a reasonably large play when assembling and disassembly the bearing unit from its axle. The bearing unit includes a first bearing group with two outer bearings (12) and a second bearing group with an intermediate bearing (14). One of the bearing groups (12, 14) is mobile and can be displaced radially by a preloading unit to remove play when activated. Thanks to an amplification lever (20), the preloading unit is able to function either with a pneumatic actuator or with a hydraulic actuator.

No. of Pages : 9 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011824 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : MIXTURES CONTAINING ENANTIOPURE AMBROCENIDE®

---

(51) International classification	:A61Q 13/00,C07D 317/70,C11B 9/00,A61Q 5/00,A61K 8/37	(71) <b>Name of Applicant :</b> <b>1)SYMRISE AG</b> Address of Applicant :Mühlenfeldstrasse 1, 37603, Holzminden Germany
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)EH, Marcus</b>
(33) Name of priority country	:NA	<b>2)LAMBRECHT, Stefan</b>
(86) International Application No Filing Date	:PCT/EP2017/071424 :25/08/2017	
(87) International Publication No	:WO 2017/186973	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

---

(57) Abstract :

The present invention relates in particular to a mixture comprising the compound of formula (Ia), as cited herein, the blend being devoid or substantially devoid of the compound of formula (Ib), as cited herein, preferably devoid of the compounds of formula (Ib) and in addition of (Ic) and/or (Id), as cited herein. The invention also relates to a method for producing said blend, to fragrance compositions containing or consisting of said blend, to perfumed products containing said blends or fragrance compositions, and to various methods and applications for conveying, modifying and/or intensifying specific fragrance notes.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011825 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : BATTERY STORAGE DEVICE OF MOTOR-DRIVEN VEHICLE

(51) International classification	:B62J 11/00,B60K 1/04,B62J 99/00,H01M 2/10	(71) <b>Name of Applicant :</b> <b>1)HONDA MOTOR CO., LTD.</b> Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556 Japan
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Katsuyuki OKUBO</b>
(33) Name of priority country	:NA	<b>2)Akira KURAMOCHI</b>
(86) International Application No Filing Date	:PCT/JP2017/035689 :29/09/2017	<b>3)Shogo NISHIDA</b>
(87) International Publication No	:WO 2019/064563	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This electrically-driven vehicle battery storage device is provided with: a terminal displacement mechanism (45) that displaces case-side connection terminals (43) each between a connection position (P1) and a retraction position (P2); bottoms walls (132Fb, 132Rb) that are provided to lower ends of case bodies (132F, 132R) of a battery case (42) so as to be inclined to the rear and downward; and draining parts (180) that are provided to the rear sides of the bottom walls (132Fb, 132Rb) and that can discharge water that has infiltrated the case bodies (132F, 132R), wherein the case-side connection terminals (43) are disposed on the front side of the bottoms walls (132Fb, 132Rb), the case-side connection terminals (43) are disposed below the bottoms walls (132Fb, 132Rb) at the retraction position (P2), and cross members (116, 122) that extend in the vehicle width direction in a battery support frame (110) of the battery case (42) are disposed in recesses (185) formed by the bottom walls (132Fb, 132Rb) and the case-side connection terminals (43) located at the retraction position (P2).

No. of Pages : 53 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011827 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : BATTERY MOUNTING/DEMOUNTING STRUCTURE FOR SADDLED VEHICLES

(51) International classification	:B62J 9/00,B60L 11/18,B62J 11/00,H01M 2/10	(71) <b>Name of Applicant :</b> <b>1)HONDA MOTOR CO., LTD.</b> Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556 Japan
(31) Priority Document No	:2017-191144	(72) <b>Name of Inventor :</b>
(32) Priority Date	:29/09/2017	<b>1)YOKOYAMA, Yuichi</b>
(33) Name of priority country	:Japan	
(86) International Application No Filing Date	:PCT/JP2018/035028 :21/09/2018	
(87) International Publication No	:WO 2019/065495	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a battery mounting/demounting structure for saddled vehicles, facilitating the mounting and demounting of a battery by improving a containing case structure and a battery handle. This battery mounting/demounting structure for saddled vehicles includes: a battery case (30) supported on the lower part of the vehicle body frame (2) of a saddled vehicle (1); and a battery (B, B1) contained in the battery case (30). The battery mounting/demounting structure is provided with a pivot shaft (20) which enables the battery (B, B1) contained in the battery case (30) to swing to the outside in the vehicle width direction. At least one handle (32, 81, 82) is provided to the battery (B, B1). The pivot shaft (20) is disposed behind the battery case (30) with respect to the vehicle body so as to be aligned with the top-bottom direction of the vehicle body. The handle (32, 81, 82) is directed forward of the vehicle body when the battery (B, B1) is in a contained state, and the handle (32, 81, 82) is directed outward in the vehicle width direction when the battery (B, B1) is in a swung-out state in which the battery (B, B1) can be mounted and demounted.

No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011843 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : REFRACTORY BATCH, A METHOD FOR PRODUCING AN UNSHAPED REFRACTORY CERAMIC PRODUCT FROM THE BATCH AND AN UNSHAPED REFRACTORY CERAMIC PRODUCT OBTAINED BY SAID METHOD

(51) International classification	:C04B 35/01,C04B 35/04,C04B 35/443,C04B 35/622,C04B 35/626	(71) <b>Name of Applicant :</b> <b>1)REFRACTORY INTELLECTUAL PROPERTY GMBH &amp; CO. KG</b> Address of Applicant :Wienerbergstrasse 11, A-1100 Wien Austria
(31) Priority Document No	:17208542.5	(72) <b>Name of Inventor :</b>
(32) Priority Date	:19/12/2017	<b>1)HEID, Stefan</b>
(33) Name of priority country	:EPO	<b>2)NILICA, Roland</b>
(86) International Application No Filing Date	:PCT/EP2018/080585 :08/11/2018	
(87) International Publication No	:WO 2019/120737	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a refractory batch, to a method for producing an unshaped refractory ceramic product from the batch, and to an unshaped refractory ceramic product obtained by said method.

No. of Pages : 26 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011875 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ELECTRONIC APPARATUS RECEIVING SUPPLIED POWER THROUGH SUBSTRATE COMPRISING MULTIPLE LAYERS

(51) International classification	:G09G 3/20,G09G 3/36,G09G 3/3208	(71) <b>Name of Applicant :</b> <b>1)SAMSUNG ELECTRONICS CO., LTD.</b> Address of Applicant :129, Samsung-ro, Yeongtong-gu Suwon-si Gyeonggi-do 16677 Republic of Korea
(31) Priority Document No	:10-2017-0106853	
(32) Priority Date	:23/08/2017	
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/KR2018/009726	<b>1)PARK, Hyun Jun</b>
Filing Date	:23/08/2018	<b>2)HAN, Dong Kyoon</b>
(87) International Publication No	:WO 2019/039885	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to various embodiments of the present invention, disclosed is an electronic apparatus comprising: a first surface; a second surface opposite the first surface; a housing including a side surface member which encases the space between the first surface and the second surface; a display panel arranged on at least a portion of the housing; a substrate including a first layer, a second layer, and at least one inner layer arranged between the first layer and the second layer; a display driving circuit which is electrically connected to the display panel and the substrate; and a power regulator which is electrically connected to the display driving circuit through the substrate, wherein the power regulator supplies power to the display driving circuit through the at least one inner layer so that the display driving circuit generates a gray scale voltage. Other various embodiments identified through the specification are also enabled.

No. of Pages : 43 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011877 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ANTIBODY VARIANTS

(51) International classification	:C07K 16/24
(31) Priority Document No	:17191989.7
(32) Priority Date	:19/09/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/074522
Filing Date	:11/09/2018
(87) International Publication No	:WO 2019/057564
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)TILLOTTS PHARMA AG**

Address of Applicant :Baslerstrasse 15, 4310 Rheinfelden Switzerland

(72)Name of Inventor :

**1)FURRER, Esther Maria**

(57) Abstract :

The present invention relates to antibodies which bind to TNFa and exhibit modified FcRn- binding. The antibodies of the invention have good effector functions and/or pharmacokinetic properties.

No. of Pages : 42 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011878 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : HIGH-YIELD SYNTHESIS OF NANOZEOLITE Y CRYSTALS OF CONTROLLABLE PARTICLE SIZE AT LOW TEMPERATURE

(51) International classification	:B01J 29/08,C01B 39/20,B01J 39/14,C10G 35/095	(71) <b>Name of Applicant :</b> <b>1)KHALIFA UNIVERSITY OF SCIENCE AND TECHNOLOGY</b> Address of Applicant :Main Campus, PO Box 127788, Abu Dhabi U.A.E.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)KATSIOTIS, Marios, S.</b>
(33) Name of priority country	:NA	<b>2)TZITZIOS, Vasileios</b>
(86) International Application No Filing Date	:PCT/IB2017/000998 :23/08/2017	<b>3)ALHASSAN, Saeed</b>
(87) International Publication No	:WO 2019/038571	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present application relates to a method for synthesizing nanozeolite Y crystals, nanozeolite Y crystals obtainable by said method, and the use of the synthesized nanozeolite Y crystals in cracking hydrocarbons, as molecular sieves or as ion-exchangers.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011894 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SET FOR IMPROVING SYRINGE

(51) International classification	:A61M 5/46
(31) Priority Document No	:2017133628
(32) Priority Date	:27/09/2017
(33) Name of priority country	:Russia
(86) International Application No	:PCT/RU2018/000361
Filing Date	:04/06/2018
(87) International Publication No	:WO 2019/066682
(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)VOLKOV, Daniil Vasilievitch**

Address of Applicant :ul. Zheleznovodskaya, 117 Mineralnye Vody, 357202 Russia

(72)Name of Inventor :

**1)VOLKOV, Daniil Vasilievitch**

(57) Abstract :

The invention relates to medical technology, specifically to sets for improving a syringe. The set is characterized in that it consists of two devices. A syringe can be fitted with one of the devices, or with two. The first device is a hollow cylinder having flanges on both ends. The ends of the device have bevels along their inner edges. The cylinder comprises one part having a normal wall thickness in the middle of the cylinder, and two parts, one at each end, having a reduced wall thickness from the inner surface, said parts being of a different length. The second device is a standard cap for a syringe needle, said cap having markers placed thereon. The starting point of the markers on the syringe needle cap coincides with the point to which the tip of the needle reaches when the cap is fully covering the needle. The invention provides for decreasing pain by improving the quality of and increasing the ease of administering injections, and for accurately controlling of the length of the needle being inserted into a body.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011895 A

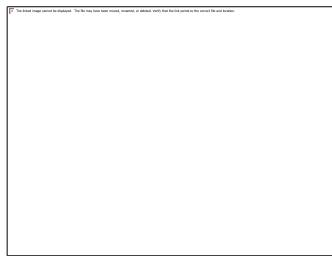
(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD FOR PROVIDING SMART KEY SERVICE AND ELECTRONIC DEVICE THEREOF

(51) International classification	:B60R 25/10,B60R 16/033,B60R 16/03,H04W 12/06,H04W 52/02	(71) <b>Name of Applicant :</b> <b>1)SAMSUNG ELECTRONICS CO., LTD.</b> Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea
(31) Priority Document No	:10-2017-0110894	(72) <b>Name of Inventor :</b>
(32) Priority Date	:31/08/2017	<b>1)WOO, Jeong</b>
(33) Name of priority country	:Republic of Korea	<b>2)PARK, Soon Jae</b>
(86) International Application No Filing Date	:PCT/KR2018/007978 :13/07/2018	<b>3)LEE, Hojung</b>
(87) International Publication No	:WO 2019/045265	<b>4)KIM, Sunghyun</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)LEE, So-Young</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An electronic device including a first memory configured to store authorization information; a first processor configured to access the first memory; a second memory; and a second processor configured to access the second memory. The first processor is configured to check state information related to a battery state of the electronic device while the electronic device is in a first state; if the state information satisfies a first specified condition, provide authorization information to an external device in the first state so that the external device performs authorization using the authorization information; and if the state information satisfies a second specified condition, copy the authorization information into the second memory in the first state and convert the electronic device to a second state in which power consumption thereof is less than that in the first state. The second processor is configured to provide the authorization information to the external device in the second state so that the external device performs authorization using the authorization information.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011944 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SWITCH DEVICE

(51) International classification	:H01H 9/16,H01H 25/00,H01H 25/06	(71) <b>Name of Applicant :</b> <b>1)KABUSHIKI KAISHA TOKAI RIKA DENKI SEISAKUSHO</b> Address of Applicant :260, Toyota 3-chome, Ohguchi-cho, Niwa-gun, Aichi 4800195 Japan
(31) Priority Document No	:2017-159147	
(32) Priority Date	:22/08/2017	
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2018/030322	(72) <b>Name of Inventor :</b>
Filing Date	:15/08/2018	<b>1)NOMURA, Hidetaka</b>
(87) International Publication No	:WO 2019/039359	<b>2)MEGA, Susumu</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MUROTA, Masaya</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This switch device 1 comprises a bezel 10 forming an external surface, an operation knob 20 supported in such a manner as to be displaced relative to the bezel 10, and a light-emitting unit 30 emitting light L0 toward the operation knob 20. This switch device 1 further comprises: a first reflective section 23 formed in the operation knob 20 on a back surface facing the light-emitting unit, for reflecting the light L0; and a second reflective section 13 formed on the surface of the bezel 10 facing the operation knob 20, for reflecting light L1.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011946 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : AUDIO ACTIVITY TRACKING AND SUMMARIES

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	:G10L 25/51,G10L 25/03,G10L 25/63,G10L 25/54,G10L 15/08
(51) International classification	
(31) Priority Document No	:15/782287
(32) Priority Date	:12/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/055739 :12/10/2018
(87) International Publication No	:WO 2019/075423
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :5775 Morehouse Drive ATTN:  
International IP Administration San Diego, California 92121-1714  
U.S.A.

(72)**Name of Inventor :**

**1)JARVIS, Murray**

**2)TARLOW, Benjamin**

**3)GRAUBE, Nicolas**

**4)WOOLSTENHULME, Clark Don**

**5)FINCH, Simon**

(57) Abstract :

Various embodiments provide systems and methods which disclose a device which may be used to determine an audio event based on receiving an audio signal. Based on the determined audio event, audio activity may be tracked. The tracked audio activity may be summarized based on a summary mode. Feedback of the summarized tracked audio activity may be based on a feedback mode.

No. of Pages : 27 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011948 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : MULTIPLEXING CLIENTS OF DIFFERENT GENERATIONS IN TRIGGER-BASED TRANSMISSIONS

(51) International classification	:H04L 5/00,H04L 27/26,H04W 72/04	(71) <b>Name of Applicant :</b> <b>1)QUALCOMM INCORPORATED</b> Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego, California 92121-1714 U.S.A.
(31) Priority Document No	:62/575173	
(32) Priority Date	:20/10/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2018/056506 :18/10/2018	
(87) International Publication No	:WO 2019/079592	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This disclosure provides systems, methods, and apparatus, including computer programs encoded on computer storage media, for multiplexing clients of different generations in trigger-based transmissions, including trigger-based transmissions in extremely-high throughput (EHT) Wi-Fi systems. An access point (AP) may generate a trigger frame compatible with two types of stations (STAs), such as EHT STAs and legacy (or high efficiency (HE)) STAs. The AP may transmit the trigger frame to a group of STAs, where legacy STAs may process the trigger frame a legacy trigger frame. EHT STAs may process the trigger frame to determine resource unit (RU) allocations for uplink transmissions in a bandwidth greater than a legacy bandwidth. An EHT STA may determine the resources in the larger bandwidth based on an EHT RU allocation table, a legacy RU allocation table and an additional bit in the trigger frame, or an ordering of RU allocations in the trigger frame.

No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/03/2020

(21) Application No.202047011998 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : BITRATE AND PIPELINE PRESERVATION FOR CONTENT PRESENTATION

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(51) International classification	:H04W 28/02
(31) Priority Document No	:201741031917
(32) Priority Date	:08/09/2017
(33) Name of priority country	:India
(86) International Application No	:PCT/US2018/046723
Filing Date	:14/08/2018
(87) International Publication No	:WO 2019/050660
(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)OPENTV, INC.**

Address of Applicant :275 Sacramento Street San Francisco, California 94111 U.S.A.

(72)Name of Inventor :

**1)GOGOI, Amarendra N.**

**2)GUPTA, Sanjay Kumar**

**3)SWAMI, Ravikant**

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(57) Abstract :

Systems and methods for optimizing a content change process are provided. In example embodiments, a digital receiver causes playback of a first piece of content. The digital receiver receives a selection of a new piece of content for playback during the playback of the first piece of content. In response to the receiving of the selection, the digital receiver maintains a bitrate used for playback of the first piece of content to initiate playback of the new piece of content.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012039 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SADDLE-TYPE ELECTRIC VEHICLE

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(51) International classification	:B62J 9/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2017/035422
Filing Date	:29/09/2017
(87) International Publication No	:WO 2019/064476
(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)HONDA MOTOR CO., LTD.**

Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556 Japan

(72)Name of Inventor :

**1)SHIMAMURA, Toshifumi**

**2)NUMATA, Takeo**

**3)KOBAYASHI,Yoshitaka**

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(57) Abstract :

A saddle-type electric vehicle (1) provided with a charging cord (245) connectable to an external power supply, a cord accommodation section (230) in which it is possible to accommodate the charging cord (245), and a vehicle body cover (5) to which the cord accommodation section (230) is provided, wherein the vehicle body cover (5) is provided with a cover inclined surface (CS) that is inclined with respect to a ground-contacting surface, the cover inclined surface (CS) is provided with an inclined surface top section (CS1) positioned on the top section of the cover inclined surface (CS), and the cord accommodation section (230) is provided with: a cord retraction section (236) that is arranged in the vicinity of the inclined surface top section (CS1) and that makes it possible to retract the charging cord (245) into the cord accommodation section (230); and an accommodation space (230s) that makes it possible to accommodate the charging cord (245) retracted from the cord retraction section (236) in an area from the vicinity of the inclined surface top section (CS1) to the bottom section of the cord accommodation section (230).

No. of Pages : 67 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012041 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : VALVE DRIVE FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F01L 13/00,F01L 1/047,F01M 9/10	(71)Name of Applicant : <b>1)BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT</b> Address of Applicant :Petuelring 130 80809 M <sup>1/4</sup> nchen Germany
(31) Priority Document No	:10 2017 214 794.6	
(32) Priority Date	:24/08/2017	
(33) Name of priority country	:Germany	
(86) International Application No	:PCT/EP2018/068926	(72)Name of Inventor : <b>1)EMMERSBERGER, Georg 2)KNOLL, Dietmar 3)KRAFT, Roland 4)SCHMID, Rudolf 5)STEINLE, Thomas</b>
Filing Date	:12/07/2018	
(87) International Publication No	:WO 2019/037943	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a valve drive for a cylinder head of an internal combustion engine, comprising a camshaft which is rotatably mounted in a first and a second camshaft bearing and which comprises at least one cam with a first cam curve and a second cam curve that differs from the first cam curve, wherein a gas exchange valve can be actuated by the first or the second cam curve via a cam follower, and a camshaft section is provided, by means of which the cam can be moved by an adjusting means such that the gas exchange valve can be actuated either via the first or the second cam curve via the cam follower. The camshaft and the cam have a fixed position relative to each other, the camshaft can be axially moved in the first and the second camshaft bearing, and the camshaft bearings consist of a camshaft bearing block and a common bearing frame. A lubricant supply bore is provided which opens into a fourth lubricant groove in the bearing frame in order to supply the bearing points with lubricant. A first lubricant groove is provided in the first camshaft bearing block, and a second lubricant groove is provided in the second camshaft bearing block, said lubricant grooves corresponding to the fourth lubricant groove and being open in the direction of the cam follower. By means of the valve drive design according to the invention, a substantial reduction of production costs is achieved compared to the prior art and undesired toothings noises are prevented. Furthermore, the cam follower is lubricated in an advantageously intermittent manner.

No. of Pages : 9 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012042 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : VEHICLE DRAG REDUCTION AND ELECTRICITY GENERATION SYSTEM

(51) International classification	:B60L 8/00,B62D 35/00,B60L 11/18	(71) <b>Name of Applicant :</b> <b>1)SMART AUTO LABS INC.</b> Address of Applicant :320 Nassau Road, #302 Huntington, NY 11743 U.S.A.
(31) Priority Document No	:15/685460	
(32) Priority Date	:24/08/2017	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2018/047656	<b>1)SIKRORIA, Shivam</b>
Filing Date	:23/08/2018	<b>2)SIKRORIA, Divyam</b>
(87) International Publication No	:WO 2019/040693	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Systems and methods effective to reduce a drag coefficient in a vehicle are described. A system methods may receive first air directed towards an air intake structure at a first speed. The air intake structure may transform the first air into second air of a second speed. The system may direct the second air from the air intake structure to a tunnel structure. The tunnel structure may include an entrance and an exit, where a cross-sectional area of the entrance may be less than a cross-sectional area of the exit. The tunnel structure may expand the second air into expanded air. A third speed of the expanded air may be less than the second speed of the second air. The system may create a second drag coefficient, where the second drag coefficient may be less than the first drag coefficient.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012043 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PRODUCTION METHOD FOR ACIDIC XYLOOLIGOSACCHARIDE, AND ACIDIC XYLOOLIGOSACCHARIDE

(51) International classification	:C07H 3/06,C08B 37/00,C13K 13/00	(71) <b>Name of Applicant :</b> <b>1)OJI HOLDINGS CORPORATION</b> Address of Applicant :7-5, Ginza 4-chome, Chuo-ku, Tokyo 1040061 Japan
(31) Priority Document No	:2016-169709	
(32) Priority Date	:31/08/2016	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/JP2017/031433 :31/08/2017	<b>1)ISHIKAWA Kotaro</b> <b>2)KASHIWAMURA Takuro</b> <b>3)KATO Takuya</b> <b>4)KOGA Toru</b> <b>5)ISHIKAWA Suguru</b>
(87) International Publication No	:WO 2018/043667	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides a reduced-cost production method for an acidic xylooligosaccharide, the production method including a step for depolymerizing a plant-derived starting material and a deacetylation step for adding a base to a solution of the product of the depolymerization step to make the pH at least 11. The present invention also provides an acidic xylooligosaccharide that has an acetyl group content of 0-5.0 mass%. The acidic xylooligosaccharide that has an acetyl group content of 0-5.0 mass% can be used as a starting material to produce pentosan polysulfate in high yields.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012044 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PRODUCTION METHOD FOR PENTOSAN POLYSULFATE

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(51) International classification	:C08B 37/00
(31) Priority Document No	:2016-169710
(32) Priority Date	:31/08/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/031434
Filing Date	:31/08/2017
(87) International Publication No	:WO 2018/043668
(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 :7-5, Ginza 4-chome, Chuo-ku, Tokyo  
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(72)Name of Inventor :

**1)ISHIKAWA Kotaro**

**2)KASHIWAMURA Takuro**

**3)KATO Takuya**

**4)KOGA Toru**

**5)ISHIKAWA Suguru**

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(57) Abstract :

The present invention provides a production method for pentosan polysulfate. The production method includes: a first step for obtaining an acidic xylooligosaccharide from a plant-derived starting material; and a second step for obtaining pentosan polysulfate from the acidic xylooligosaccharide. The first step includes a depolymerization step for the plant-derived starting material, and the second step includes a sulfating step for the acidic xylooligosaccharide. The depolymerization step is followed by a deacetylation step for adding a base to achieve a pH of at least 11. The production method makes it possible to obtain pentosan polysulfate that has a low acetyl group content. The production method also makes it possible to cheaply and efficiently obtain high yields of pentosan polysulfate.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012048 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : VALVE DRIVE FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F01L 13/00,F01L 1/047	(71) <b>Name of Applicant :</b> <b>1)BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT</b> Address of Applicant :Petuelring 130 80809 M¼nchen Germany
(31) Priority Document No	:10 2017 214 793.8	
(32) Priority Date	:24/08/2017	
(33) Name of priority country	:Germany	
(86) International Application No Filing Date	:PCT/EP2018/069085 :13/07/2018	(72) <b>Name of Inventor :</b> <b>1)EMMERSBERGER, Georg</b> <b>2)KNOLL, Dietmar</b> <b>3)KRAFT, Roland</b> <b>4)SCHMID, Rudolf</b> <b>5)STEINLE, Thomas</b>
(87) International Publication No	:WO 2019/037945	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a valve drive for a cylinder head of an internal combustion engine, comprising a first camshaft which is rotatably mounted in a first and a second camshaft bearing and which comprises at least one cam with a first cam curve and a second cam curve that differs from the first cam curve, wherein a gas exchange valve can be actuated by the first or the second cam curve, a camshaft section is provided, by means of which the cam can be moved by an adjusting means such that the gas exchange valve can be actuated either via the first or the second cam curve, the first camshaft and the cam have a fixed position relative to each other, the first camshaft can be axially moved in the first and the second camshaft bearing, and an axial lock is provided for the camshaft. By means of the valve drive design according to the invention, a substantial reduction of production costs is achieved compared to the prior art and undesired toothings noises are prevented. Additionally, the camshaft is axially locked depending on which cam curve is interacting with the gas exchange valve.

No. of Pages : 9 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012066 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : REAL-TIME QUALITY MONITORING OF BEVERAGE BATCH PRODUCTION USING DENSITOMETRY

(51) International classification	:A23L 2/52,B01F 15/04,G01N 33/14	(71) <b>Name of Applicant :</b> <b>1)PEPSICO, INC.</b> Address of Applicant :700 Anderson Hill Road, Purchase, New York 10577 U.S.A.
(31) Priority Document No	:15/793,398	(72) <b>Name of Inventor :</b>
(32) Priority Date	:25/10/2017	<b>1)CHOUBAK, Saman</b>
(33) Name of priority country	:U.S.A.	<b>2)AHTCHI-ALI, Badreddine</b>
(86) International Application No Filing Date	:PCT/US2018/056836 :22/10/2018	
(87) International Publication No	:WO 2019/083871	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Aspects of the disclosure include a method for tracking the quality of a beverage produced according to a batch process that includes adding ingredients to water to form a batch, measuring the density of the batch in real time using an in-line density device, monitoring changes in density of the batch, detecting deviations from the batch process based on the changes in density, and correcting for any detected deviations from the batch process in real time. Other aspects of the disclosure relate to a method of detecting inhomogeneity in real time for a batch process for producing a beverage. Other aspects of the disclosure include a method of tracking addition of ingredients for producing a beverage in a batch process includes sequentially adding a plurality of ingredients to water according to a standard recipe to form a batch and correcting for any detected deviations from the recipe in real time.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012163 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A WIND TURBINE BLADE AND A METHOD OF OPERATING SUCH A WIND TURBINE BLADE

(51) International classification	:F03D 1/06
(31) Priority Document No	:17187522.2
(32) Priority Date	:23/08/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/072608
Filing Date	:22/08/2018
(87) International Publication No	:WO 2019/038313
(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)LM WIND POWER INTERNATIONAL TECHNOLOGY  
II APS**

Address of Applicant :Jupitervej 6, 6000 Kolding Denmark

(72)Name of Inventor :

**1)ARCE, Carlos, Le<sup>3</sup>n  
2)MADSEN, Jesper**

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(57) Abstract :

This invention relates to an airfoil modifying device, a wind turbine blade and a method of modifying an airfoil profile of the wind turbine blade. The airfoil modifying device comprises a deformable element connected to a filler element, both configured to deform between a retracted position and an extended position. The airfoil modifying device is passively deformed by the local air pressure acting on the blade surface and thus the airfoil modifying device.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/03/2020

(21) Application No.202047012201 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD FOR PRODUCING A NANOEMULSION WITH ENCAPSULATED NATURAL ANTIOXIDANTS FOR PRESERVING FRESH AND MINIMALLY PROCESSED FOODS, AND THE NANOEMULSION THUS PRODUCED

(51) International classification	:A23B 7/16,A61K 36/22,A23P 10/30	(71) <b>Name of Applicant :</b> <b>1)MALNATI RAMOS, Miguel Enrique Jes°s</b> Address of Applicant :Calle Comandante Espinar N° 281 San Miguel, Lima 32 PERU
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:PCT/PE2017/000014 :23/08/2017	(72) <b>Name of Inventor :</b> <b>1)MALNATI RAMOS, Miguel Enrique Jes°s</b> <b>2)ADRIAZOLA DU-PONT, Melissa Ximena</b> <b>3)OVIEDO MORALES, Daniel Ali</b>
(87) International Publication No	:WO 2019/039947	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a method for producing a nanoemulsion comprising encapsulated natural antioxidants on a nanometre scale, disclosing the formulation of said product and the application thereof for the preservation of different natural food products or derivatives such as fresh or minimally processed fruit, vegetables and cereals and juices. The formulation comprises four main steps: a) the isolation of natural antioxidants from fruit, vegetable and cereal waste, b) encapsulation of the natural antioxidants, c) formation of the nanoemulsion with natural antioxidants, d) freeze-drying of the nanoemulsion formed. In this sense, the subject matter of the invention is the design of a method for producing nanoemulsions with a high antioxidant power from fruit and/or vegetable and/or cereal waste, efficiently encapsulated, and easy to process lacking organic chemical additives in the end product, which help to preserve and/or enhance the nutritional and organoleptic properties of fresh and minimally processed products, for humans and animals, with food or neutraceutical grade. The key aspect of the invention is a thin, nanometre-size layer on the food, which prevents gas and fluid exchange with the environment, enhanced with selected antioxidants, the role of which is similar to an enzyme that slows down or inhibits the biochemical decomposition and oxidation reactions of the food. This provides fresh and minimally processed foods with a longer shelf life and means that the organoleptic quality of foods to be frozen improves upon thawing.

No. of Pages : 17 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012422 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : APPARATUS AND METHOD FOR AGRICULTURAL DATA COLLECTION AND AGRICULTURAL OPERATIONS

(51) International classification	:G06T 7/00,G06T 7/20,G05D 1/02
(31) Priority Document No	:62/550,271
(32) Priority Date	:25/08/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/047947 :24/08/2018
(87) International Publication No	:WO 2019/040866
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS**

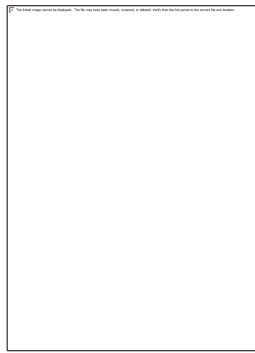
Address of Applicant :352 Henry Administration Building,  
506 South Wright Street, Urbana, Illinois 61801 U.S.A.

(72)**Name of Inventor :**

- 1)CHOWDHARY, Girish**
- 2)SOMAN, Chinmay**
- 3)KAYACAN, Erkan**
- 4)THOMPSON, Benjamin**
- 5)ZHANG, Zhongzhong**
- 6)CHOUDHURI, Anwesa**

(57) Abstract :

Aspects of the subject disclosure may include, for example, obtaining video data from a single monocular camera, wherein the video data comprises a plurality of frames, wherein the camera is attached to a mobile robot that is travelling along a lane defined by a row of crops, wherein the row of crops comprises a first plant stem, and wherein the plurality of frames include a depiction of the first plant stem; obtaining robot velocity data from encoder(s), wherein the encoder(s) are attached to the robot; performing foreground extraction on each of the plurality of frames of the video data, wherein the foreground extraction results in a plurality of foreground images; and determining, based upon the plurality of foreground images and based upon the robot velocity data, an estimated width of the first plant stem. Additional embodiments are disclosed.



No. of Pages : 109 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012423 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : FIBER BLEND IDENTIFICATION AND/OR RATIO MEASUREMENT

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(51) International classification	:G01N 33/36,D06H 3/00,G01N 21/89,B65H 43/04
(31) Priority Document No	:62/558,506
(32) Priority Date	:14/09/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/CH2018/000038 :11/09/2018
(87) International Publication No	:WO 2019/051620
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(71)Name of Applicant :

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Address of Applicant :Sonnenbergstrasse 10, CH-8610 Uster  
Switzerland

(72)Name of Inventor :

**1)DEHKORDI, Peyman**

**2)RINEHART, Kent A.**

**3)ZHAO, Weichang C.**

(57) Abstract :

The present invention relates to a measurement instrument (100) and a corresponding method for identifying a fiber blend composition and/or fiber blend ratio in an input material (108). The input material can be moved by a first fiber movement set at a first speed towards a second fiber movement set which provides the input material at a second speed to a sample sensing module (104), through which the input material is then moved by a third fiber movement set (126a, 126b). Electromagnetic radiation sources (114,120) direct radiation toward the input material (108) at first and second locations, and electromagnetic radiation sensors (116,122,124) are configured to receive the transmitted or reflected radiation. A controller (128) processes the signals from the sensors to determine the fiber blend composition and/or the fiber blend ratio in the input material (108). The controller (128) also sends control signals to the radiation sources and the fiber movement sets.



No. of Pages : 21 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012424 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ORC DEVICE FOR COOLING A PROCESS FLUID

(51) International classification	:F01K 13/00,F01K 25/08,F22B 1/02
(31) Priority Document No	:17187936.4
(32) Priority Date	:25/08/2017
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2018/070373 :27/07/2018
(87) International Publication No	:WO 2019/038022
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)ORCAN ENERGY AG

Address of Applicant :Rupert-Mayer-Strasse 44, Gebude 6408,  
4 OG (6. Flur), M<sup>ü</sup>nchen 81379 Germany

(72)Name of Inventor :

1)AUMANN, Richard

2)SCHUSTER, Andreas

3)LINTL, Markus

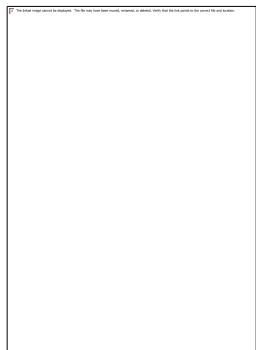
4)LANGER, Roy

5)SANTA-MARIA, Martin

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(57) Abstract :

The invention relates to a system for cooling a process fluid of a heat-producing apparatus, comprising: an outlet of the heat-producing apparatus, the outlet being provided for discharging process fluid to be cooled from the heat-producing apparatus; an inlet of the heat-producing apparatus, the inlet being provided for supplying cooled process fluid to the heat-producing apparatus; and a thermodynamic cycle device, in particular an ORC device, the thermodynamic cycle device comprising: an evaporator having an inlet for supplying the process fluid to be cooled from the outlet of the heat-producing apparatus and having an outlet for discharging the cooled process fluid to the inlet of the heat-producing apparatus, the evaporator being designed to evaporate a working medium of the thermodynamic cycle device by means of heat from the process fluid; an expansion machine for expanding the evaporated working medium and for producing mechanical and/or electrical energy; a condenser for condensing the expanded working medium, in particular an air-cooled condenser; and a pump for pumping the condensed working medium to the evaporator.



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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012425 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHODS OF ENHANCING AND/OR STABILIZING CARDIAC FUNCTION IN PATIENTS WITH FABRY DISEASE

(51) International classification	:A61K 31/445,A61P 9/04,A61P 43/00
(31) Priority Document No	:62/550,984
(32) Priority Date	:28/08/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/048257 :28/08/2018
(87) International Publication No	:WO 2019/046244
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)AMICUS THERAPEUTICS, INC.**

Address of Applicant :1 Cedar Brook Drive Cranbury, New Jersey 08512 U.S.A.

(72)**Name of Inventor :**

**1)CASTELLI, Jeff**

**2)BARTH, Jay**

**3)SKUBAN, Nina**

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(57) Abstract :

Provided are methods for the treatment of Fabry disease in a patient. Certain methods relate to the treatment of ERT-experienced or ERT-na<sup>-</sup>ve Fabry patients. Certain methods comprise administering to the patient about 100 mg to about 150 mg free base equivalent of migalastat for enhancing and/or stabilizing cardiac function.

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012426 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : MOTION ASSISTANCE APPARATUS

(51) International classification

:A63B 21/00,A63B  
22/20

(31) Priority Document No

:10-2017-0106684

(32) Priority Date

:23/08/2017

(33) Name of priority country

:Republic of Korea

(86) International Application No

:PCT/KR2018/009639

Filing Date

:22/08/2018

(87) International Publication No

:WO 2019/039853

(61) Patent of Addition to Application

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

Filing Date

:NA

:NA

(71)Name of Applicant :

1)SAMSUNG ELECTRONICS CO., LTD.

Address of Applicant :129 Samsung-ro Yeongtong-gu,  
Suwon-si Gyeonggi-do 16677 Republic of Korea

2)RESEARCH & BUSINESS FOUNDATION

SUNGKYUNKWAN UNIVERSITY

(72)Name of Inventor :

1)LEE, Min Hyung

2)CHOI, Byung June

3)KIM, Jeong Hun

4)ROH, Se Gon

5)LEE, Youn Baek

6)LEE, Jong Won

7)CHOI, Jung Yun

8)CHOI, Hyouk Ryeol

9)CHOI, Hyun Do

(57) Abstract :

A motion assistance apparatus includes a force transmitting frame having a sliding space therein, the force transmitting frame configured to support a distal part of a user, a slider configured to slide in the sliding space, and a driving frame connected to the slider and configured to slide with respect to a proximal part of the user.

No. of Pages : 13 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012427 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : OPERATION INPUT DEVICE, INFORMATION PROCESSING SYSTEM, AND OPERATION DETERMINING METHOD

(51) International classification	:G06F 3/041,G06F 3/03	(71) <b>Name of Applicant :</b> <b>1)MITSUBISHI ELECTRIC CORPORATION</b> Address of Applicant :7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008310 Japan
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:PCT/JP2017/036779 :11/10/2017	(72) <b>Name of Inventor :</b> <b>1)KISARA, Daisuke</b> <b>2)SASAKI, Yuchi</b> <b>3)HORI, Atsushi</b>
(87) International Publication No	:WO 2019/073546	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An operation input device (4) determines one or a plurality of operations of an operation device (2) on the basis of a distance between touch points and the positional relationship among three or more touch points, and determines, as a touch operation, an operation that is determined not having been performed by means of the operation device (2), said operation corresponding to a touch point.

No. of Pages : 41 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012428 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ENCLAVE HANDLING ON AN EXECUTION PLATFORM

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(51) International classification	:G06F 21/53
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/EP2017/074251
Filing Date	:25/09/2017
(87) International Publication No	:WO 2019/057314
(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)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant :SE-164 83, Stockholm Sweden

(72)Name of Inventor :

1)P...LSSON, Lina

2)M%oHES, Andr;s

3)SMEETS, Bernard

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(57) Abstract :

There is provided mechanisms for handling instances of enclaves on an execution platform. The execution platform comprises a secure component. The secure component serves as a trusted interface between a trusted platform module of the execution platform and enclaves of an enclave environment on the execution platform. Only a single enclave, denoted base enclave, in the enclave environment is enabled to communicate with the secure component. A method comprises receiving, by the base enclave, an indication from another enclave in the enclave environment upon start-up of a new instance of the so-called another enclave. The method comprises determining, by the base enclave, to enable continued running of the new instance only when number of currently running instances of the so-called another enclave is within an interval of allowed number of running instances of the so-called another enclave.

No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012452 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO ORGANIC COMPOUNDS

(51) International classification	:B01J 13/14,A01N 25/28,A61K 8/11,C11D 3/50
(31) Priority Document No	:1715535.9
(32) Priority Date	:26/09/2017
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/EP2018/075885 :25/09/2018
(87) International Publication No	:WO 2019/063515
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)GIVAUDAN SA

Address of Applicant :Chemin de la Parfumerie 5, CH- 1214,  
Vernier Switzerland

(72)Name of Inventor :

1)BULGARELLI, Nelly

2)HARRISON, Ian Michael

3)AUSSANT, Emmanuel

(57) Abstract :

Core-shell microcapsules comprising a hydrophobic core surrounded by a shell comprising a thermosetting resin comprising moieties derived from polyisocyanates, substantially unprotonated chitosan and another amine different from chitosan, characterized in that the substantially unprotonated chitosan is delivered in the solid, powder form to the locus of the encapsulation reaction. The core-shell microcapsules are provided in the form of a slurry comprising 10 to 50 wt% of microcapsules, based on the total weight of the slurry, and the shell of the microcapsules comprises from 0.1 to 20 wt % of moieties derived from chitosan, based on the total weight of the shell.

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012453 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : FUNCTIONAL CHEWING GUM COMPRISING PHYTONUTRIENTS AND ADAPTOGENIC HERBS

(51) International classification	:A61K 9/68,A61K 47/46,A61K 36/00	(71) <b>Name of Applicant :</b> <b>1)BRILLIANTIQ AB</b> Address of Applicant :Backsippenvgen 24, 135 62 Tyres Sweden
(31) Priority Document No	:20175763	
(32) Priority Date	:25/08/2017	
(33) Name of priority country	:Finland	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/073039	<b>1)PETERSON, Roger</b>
Filing Date	:27/08/2018	<b>2)PETERSSON, Robin</b>
(87) International Publication No	:WO 2019/038454	<b>3)GREST%, Ulf</b>
(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 is directed to a functional chewing gum comprising a gum base and active ingredients boosting in mental clarity and concentration, wherein said active ingredients are selected among Shilajit, Ashwagandha, coenzyme Q10, L-Tirosine, Rhodiola, Bacopa monnieri, L- Alpha glycerylphosphorylcholine (alpha-GPC), Guayusa, Phosphatidylserine (preferably GMO free), and piperine (i.e. blackpepper extract). The present invention is also directed to a functional chewing gum comprising a gum base and active ingredients providing alleviation of fatigue and enhancement of energy, wherein said active ingredients are selected among Shilajit, coenzyme Q10, citrulline malate, Siberian Ginseng, L-Tyrosine, Ganoderma lucidum (Reishi), Hericium erinaceus (Lion's mane), Coconut Oil powder, Shilajit, Guayusa, Resveratrol and piperine (blackpepper extract).

No. of Pages : 23 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012549 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : COMPONENT SUPPORT STRUCTURE FOR SADDLED VEHICLES

(51) International classification	:B62J 6/02,B62J 99/00	(71) <b>Name of Applicant :</b> <b>1)HONDA MOTOR CO., LTD.</b> Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 1078556 Japan
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)NAKAMURA Takuro</b>
(33) Name of priority country	:NA	<b>2)NAKASHIMA Masakazu</b>
(86) International Application No	:PCT/JP2017/035667	<b>3)FUJITA Katsumasa</b>
Filing Date	:29/09/2017	
(87) International Publication No	:WO 2019/064552	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a component support structure for saddled vehicles, enabling a large-sized headlight to be supported at the front end of a vehicle body frame. A stay member (60) is formed as a hollow structure in which a resin left half body (60L) and a resin right half body (60R) are joined to form a space (S) therebetween, the half bodies (60L, 60R) being mounted to a head pipe (F2). The dimension of a headlight (30) in the vehicle width direction is greater than the dimension of the stay member (60) in the vehicle width direction. The left half body (60L) and the right half body (60R) include lower stays (71, 81) extending in the top-bottom direction of the vehicle body, and also include upper stays (70, 80) extending to the left and right from the upper ends of the lower stays (71, 81). The lower stays (71, 81) are provided with first support sections (61) for supporting the headlight (30) at positions below the upper end of the center portion (30D) of the headlight (30). The upper stays (70, 80) are provided with second support sections (62) for supporting the headlight (30) at positions above the upper end of the center portion (30D) of the headlight (30).

No. of Pages : 23 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012570 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DIXON-TYPE WATER/FAT SEPARATION MR IMAGING

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(51) International classification	:G01R 33/48,G01R 33/561,G01R 33/56,G01R 33/565
(31) Priority Document No	:17187711.1
(32) Priority Date	:24/08/2017
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2018/072295 :17/08/2018
(87) International Publication No	:WO 2019/038192
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)KONINKLIJKE PHILIPS N.V.

Address of Applicant :High Tech Campus 5, 5656 AE  
Eindhoven Netherlands

(72)Name of Inventor :

1)EGGERS, Holger

(57) Abstract :

The invention relates to a method of Dixon-type MR imaging. It is an object of the invention to provide a method that enables efficient and reliable water/fat separation. The method of the invention comprises the following steps: subjecting an object (10) to an imaging sequence, which comprises at least one excitation RF pulse and switched magnetic field gradients, wherein two echo signals, a first echo signal and a second echo signal, are generated at different echo times (TE1, TE2), acquiring the echo signals from the object (10), reconstructing a water image and/or a fat image from the echo signals, wherein contributions from water and fat to the echo signals are separated using a two-point Dixon technique in a first region of k-space and a single-point Dixon technique in a second region of k-space, wherein the first region is different from the second region. In other words, the invention proposes an adaptive switching between a two-point Dixon technique for water/separation, applied to both the first and second echo signals, and a single-point Dixon technique applied to one of the two echo signals, i.e. the first echo signal data or the second echo signal data, depending on the position in k-space. Moreover, the invention relates to a MR device (1) and to a computer program to be run on a MR device (1).

No. of Pages : 13 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012571 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : MULTI-LAYER DETECTOR WITH A MONOLITHIC SCINTILLATOR

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(51) International classification	:G01T 1/202,G01T 1/29
(31) Priority Document No	:62/552,563
(32) Priority Date	:31/08/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2018/072383 :20/08/2018
(87) International Publication No	:WO 2019/042797
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(71)Name of Applicant :

1)KONINKLIJKE PHILIPS N.V.

Address of Applicant :High Tech Campus 5, 5656 AE  
Eindhoven Netherlands

(72)Name of Inventor :

1)STEADMAN BOOKER, Roger

2)RUETTEN, Walter

(57) Abstract :

A computed tomography (CT) detector array (120) includes a monolithic scintillator (124). The monolithic scintillator includes at least a first scintillator region (202), a second scintillator region (206), and an optically reflective barrier (210) therebetween. The detector array is configured to detect X-ray radiation traversing an examination region and impinging the monolithic scintillator and generate first projection data indicative of an energy of x-ray radiation absorbed by the first scintillator region and second projection data indicative of an energy of x-ray radiation traversing the first scintillator and absorbed by the second scintillator region.

No. of Pages : 13 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012572 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : IMAGE PROCESSING FOR ASSESSMENT OF FLAT ANATOMICAL STRUCTURES

(51) International classification	:G06T 7/12,G06T 15/04,G06T 17/00	(71) <b>Name of Applicant :</b> <b>1)KONINKLIJKE PHILIPS N.V.</b> Address of Applicant :High Tech Campus 5, 5656 AE Eindhoven Netherlands
(31) Priority Document No	:17188683.1	
(32) Priority Date	:31/08/2017	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/073547	<b>1)BUERGER, Christian</b>
Filing Date	:31/08/2018	<b>2)KLINDER, Tobias</b>
(87) International Publication No	:WO 2019/043203	<b>3)VON BERG, Jens</b>
(61) Patent of Addition to Application Number	:NA	<b>4)LORENZ, Cristian</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an image processing device (10) comprising a data input (11) for receiving a 3D diagnostic image and a segmentation unit (12) for segmenting a thoracic cavity, a pelvic cavity, an abdominopelvic cavity or a combination of a thoracic cavity and an abdominopelvic cavity in the 3D diagnostic image and for determining a boundary surface thereof. The device also comprise a surface texture processor (13) for determining a surface texture for the boundary surface by projecting image information from a local neighborhood of the boundary surface in the 3D diagnostic image onto the boundary surface. The device comprises an output (14) for outputting a visual representation of at least one flat anatomical structure, comprising one or more ribs, a sternum, one or more vertebrae and/or a pelvic bone complex, adjacent to the body cavity by applying and visualizing the surface texture on the boundary surface.

No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012573 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A MONITORING DEVICE FOR MONITORING BREAST MILK CONSUMPTION

(51) International classification	:A61B 5/00,A61B 5/107	(71) <b>Name of Applicant :</b> <b>1)KONINKLIJKE PHILIPS N.V.</b> Address of Applicant :High Tech Campus 5, 5656 AE Eindhoven Netherlands
(31) Priority Document No	:PCT/CN2017/099264	
(32) Priority Date	:28/08/2017	
(33) Name of priority country	:China	
(86) International Application No Filing Date	:PCT/EP2018/072938 :24/08/2018	
(87) International Publication No	:WO 2019/042904	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA	

(57) Abstract :

A monitoring device is for monitoring breast milk consumption during breastfeeding. The monitoring devices comprises a breast stiffness monitoring unit (22) which includes a deformation sensor (30) and a force or pressure applicator (28), and a controller (24). The controller is adapted to monitor stiffness changes resulting from breast milk expression thereby to determine the breast milk consumption.

No. of Pages : 12 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202047012574 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : GARMENT CARE SYSTEM WITH MOVEMENT SENSOR AND HOSE CORD

(51) International classification	:D06F 75/12,D06F 87/00	(71) <b>Name of Applicant :</b> <b>1)KONINKLIJKE PHILIPS N.V.</b> Address of Applicant :High Tech Campus 5, 5656 AE Eindhoven Netherlands
(31) Priority Document No	:17187973.7	
(32) Priority Date	:25/08/2017	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/072578	<b>1)VAN DER SLUIS, Paul</b>
Filing Date	:21/08/2018	
(87) International Publication No	:WO 2019/038295	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a garment care system (10) for treating garments. The garment care system (10) comprises a hand unit (12) for treating garments, and a movement sensor (126) cooperating with a first microcontroller (110) arranged in the hand unit (12) for generating a digital movement signal characterizing the movement of the hand unit (12). The garment care system also comprises a base unit (11) for resting the hand unit (12), a hose cord (13) for connecting the base unit (11) and the hand unit (12). The hose cord (13) comprises a duct for carrying a fluid from the base unit (11) to the hand unit (12), and a single communication wire for carrying the digital movement signal from the hand unit (12) to the base unit (11), and for bidirectional digital communication between the base unit (11) and the hand unit (12). This solution allows reducing the number of wires in the hose cord.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012694 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SPUNBOND NONWOVEN FABRIC

(51) International classification	:D04H 3/007,D04H 3/16	(71) <b>Name of Applicant :</b> <b>1)TORAY INDUSTRIES, INC.</b> Address of Applicant :1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 1038666 Japan
(31) Priority Document No	:2017-188004	
(32) Priority Date	:28/09/2017	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2018/035928	<b>1)KATSUTA Hiroo</b>
Filing Date	:27/09/2018	<b>2)FUNATSU Yoshitsugu</b>
(87) International Publication No	:WO 2019/065836	<b>3)ENDO Masanori</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a spunbond nonwoven fabric which is made of a polypropylene fiber and satisfies all of the following conditions A to E: A. the average single fiber diameter of the fiber is 6-17  $\mu\text{m}$ ; B. the degree of crystal orientation of the fiber as obtained by wide-angle X-ray diffraction is at least 0.91; C. the crystallite size of the (110) plane of the fiber as obtained by wide angle X-ray diffraction is at least 12 nm; D. the average orientation parameter of the fiber as obtained by Raman spectroscopy is at least 8.0; and E. the complex viscosity of the spunbond nonwoven fabric at a temperature of 230°C is 20-100 Pa·sec at an angular frequency of 6.3 rad/sec.

No. of Pages : 28 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012695 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LAMINATE AND SEALING MEMBER USING SAME

(51) International classification	:B32B 9/00,B65D 65/40,C07F 7/04,C08G 77/02,C08L 83/02	(71) <b>Name of Applicant :</b> <b>1)TORAY ADVANCED FILM CO., LTD.</b> Address of Applicant :3-16, Nihonbashi Hongoku-cho 3-chome, Chuo-ku, Tokyo 1030021 Japan
(31) Priority Document No	:2017-165214	(72) <b>Name of Inventor :</b>
(32) Priority Date	:30/08/2017	<b>1)SATO, Yoshikazu</b>
(33) Name of priority country	:Japan	<b>2)YAMADA, Emi</b>
(86) International Application No Filing Date	:PCT/JP2018/030427 :16/08/2018	
(87) International Publication No	:WO 2019/044525	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a laminate which sequentially comprises, on at least one surface of a substrate film, an inorganic compound layer and a protective layer in this order from the substrate film side. This laminate is characterized in that: the protective layer contains a vinyl alcohol resin; and the vinyl alcohol resin contains a cyclic compound structure that has a carbonyl group in a cyclic structure. This laminate has excellent oxygen and water vapor barrier properties even after a high-temperature hydrothermal treatment.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012696 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A TEMPERATURE-SWING ADSORPTION PROCESS

(51) International classification	:B01D 53/04
(31) Priority Document No	:17188074.3
(32) Priority Date	:28/08/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/071600
Filing Date	:09/08/2018
(87) International Publication No	:WO 2019/042734
(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)CASALE SA

Address of Applicant :Via Pocobelli 6 6900 Lugano  
Switzerland

(72)Name of Inventor :

1)JOSS, Lisa

2)HEFTI, Max

3)MAZZOTTI, Marco

(57) Abstract :

A temperature swing adsorption process for removing a target component from a gaseous mixture (111) containing water and at least one side component, said process comprising: (a) at least one adsorption step, providing a target component-loaded adsorbent and at least one waste stream (112) depleted of the target component; (b) a desorption step, comprising heating of the loaded adsorbent to a desorption temperature (Tdes) and providing a first output stream (116) containing the desorbed target component; (c) a conditioning step; (d) at least one target component-releasing step bringing the solid adsorbent to a temperature lower than said desorption temperature (Tdes) and providing at least one second output stream (117) containing an amount of the target component and containing water; (e) separating water from said second output stream(s) (117) and (f) subjecting the so obtained water-depleted stream(s) to said adsorption step or to at least one of said adsorption steps.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012697 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : BALANCER CYLINDER AND WORKPIECE-CONVEYING APPARATUS IN WHICH BALANCER CYLINDER IS USED

(51) International classification	:F15B 15/14,B66F 19/00,F15B 15/22,F15B 15/26	(71) <b>Name of Applicant :</b> <b>1)SMC CORPORATION</b> Address of Applicant :14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo 1010021 Japan
(31) Priority Document No	:2017-165116	(72) <b>Name of Inventor :</b>
(32) Priority Date	:30/08/2017	<b>1)UOTA Hiroshi</b>
(33) Name of priority country	:Japan	<b>2)NISHI Takanori</b>
(86) International Application No Filing Date	:PCT/JP2018/028862 :01/08/2018	
(87) International Publication No	:WO 2019/044342	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a balancer cylinder (10) attached such that the axial direction thereof is perpendicular to a workpiece-conveying apparatus (100) having a pressure fluid supply source (16), wherein a second flow channel (28b) through which the pressure fluid supply source (16) and a first cylinder chamber (36a) are communicated is closed off when, at a position near the final end of a stroke during the lowering of a cylinder tube (22), a rod cover (20) comes into contact with a moving valve (30) and an engaging position of a positioning ratchet (38) has been moved from a first interlocking groove (28c) to a second interlocking groove (28d).

No. of Pages : 25 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012698 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ACTIVE ENERGY RAY-CURABLE COATING COMPOSITION

(51) International classification	:C09D 4/02,C09D 7/12,C09D 133/06,C09D 175/16	(71) <b>Name of Applicant :</b> <b>1)NIPPON PAINT AUTOMOTIVE COATINGS CO., LTD.</b> Address of Applicant :2-14-1, Shodai-Ohtani, Hirakata-shi, Osaka 5731153 Japan
(31) Priority Document No	:2017-165453	(72) <b>Name of Inventor :</b>
(32) Priority Date	:30/08/2017	<b>1)MANO, Hirotugu</b>
(33) Name of priority country	:Japan	<b>2)TAKEMOTO, Yugo</b>
(86) International Application No Filing Date	:PCT/JP2017/041987 :22/11/2017	
(87) International Publication No	:WO 2019/043962	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention addresses the problem of providing an active energy ray-curable coating composition which comprises specific resin components and at least one pigment (D) selected from the group consisting of a color pigment and a photoluminescent pigment. Provided is the active energy ray-curable coating composition which comprises: a poly[(meth)acryloyloxyalkyl] isocyanurate (A); a polyfunctional (meth)acrylate (B) that has four or more (meth)acrylate groups; an acrylic resin (C); and at least one pigment (D) selected from the group consisting of a color pigment and a photoluminescent pigment. The acrylic resin (C) has a weight average molecular weight within a range of 5000 to 30000 and a solubility parameter within a range of 9.0 to 11.5.

No. of Pages : 55 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012700 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DEPLOYMENT OF CONTAINERS BASED ON ENVIRONMENT REQUIREMENTS

(51) International classification	:G06F 9/44,G06F 8/60,G06F 9/50,G06F 9/455,G06F 11/36
(31) Priority Document No	:62/566,351
(32) Priority Date	:30/09/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/053626 :28/09/2018
(87) International Publication No	:WO 2019/068036
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)ORACLE INTERNATIONAL CORPORATION**

Address of Applicant :500 Oracle Parkway M/S 5OP7  
Redwood Shores, California 94065 U.S.A.

(72)**Name of Inventor :**

**1)CALDATO, Claudio**

**2)SCHOLL, Boris**

(57) Abstract :

A method of distributing microservice containers for a service across a plurality of computing environments may include receiving a service that is built from a plurality of containerized microservices to be deployed in a container platform. The container platform may include a plurality of computing environments. The method may also include receiving a deployment criteria for deploying the service in the container platform; accessing characteristics of the plurality of computing environments; and deploying the plurality of containerized micro services across the plurality of computing environments based on the deployment criteria and the characteristics of the plurality of computing environments.

No. of Pages : 63 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012701 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : REAL-TIME DEBUGGING INSTANCES IN A DEPLOYED CONTAINER PLATFORM

(51) International classification	:G06F 11/36,G06F 8/60,G06F 9/50	(71) <b>Name of Applicant :</b> <b>1)ORACLE INTERNATIONAL CORPORATION</b> Address of Applicant :500 Oracle Parkway M/S 5OP7 Redwood Shores, California 94065 U.S.A.
(31) Priority Document No	:62/566,351	
(32) Priority Date	:30/09/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/053628	
Filing Date	:28/09/2018	
(87) International Publication No	:WO 2019/068037	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method may include receiving a request for a service at a container environment. The container environment may include a service mesh and a plurality of services encapsulated in a plurality of containers. The service may be encapsulated in first one or more containers. The method may also include determining that the request should be routed to a debug instance of the service; and instantiating the debug instance of the service. The debug instance may be encapsulated in second one or more containers and may include code implementing the service and one or more debugging utilities. The method may additionally include routing, by the service mesh, the request to the debug instance.

No. of Pages : 61 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012702 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LEVERAGING MICROSERVICE CONTAINERS TO PROVIDE TENANT ISOLATION IN A MULTI-TENANT API GATEWAY

(51) International classification	:G06F 9/50	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:62/566,422	<b>1)ORACLE INTERNATIONAL CORPORATION</b>
(32) Priority Date	:30/09/2017	Address of Applicant :500 Oracle Parkway M/S 5OP7 Redwood Shores, California 94065 U.S.A.
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2018/053622	<b>1)FICHTENHOLTZ, Greg</b>
Filing Date	:28/09/2018	<b>2)SURAVARAPU, Shashi Prasad</b>
(87) International Publication No	:WO 2019/068033	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system can host APIs for a plurality of different tenants and receive requests from many different client devices. As requests are received, an associated tenant can be identified, and a router can determine if a container instance is available to service the request. A container instance may be an empty container instance including an internal endpoint, a Web server, and a runtime environment. An empty container instance can be unassociated with a particular tenant. To associate a container instance with a tenant, a data store, such as a key-value data store can retrieve configuration files that turn the agnostic container instance into a container instance that is associated with particular tenant and includes configuration code to perform the requisite API functions. The pool of empty and populated containers can be managed efficiently.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012778 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : POROUS FILM, SEPARATOR FOR SECONDARY BATTERIES, AND SECONDARY BATTERY

(51) International classification	:H01M 2/16,B32B 5/28	(71) <b>Name of Applicant :</b> <b>1)TORAY INDUSTRIES, INC.</b> Address of Applicant :1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 1038666 Japan
(31) Priority Document No	:2017-189896	(72) <b>Name of Inventor :</b>
(32) Priority Date	:29/09/2017	<b>1)IKOMA Kei</b>
(33) Name of priority country	:Japan	<b>2)KAI Nobuyasu</b>
(86) International Application No	:PCT/JP2018/035816	<b>3)TSUKUDA Akimitsu</b>
Filing Date	:26/09/2018	
(87) International Publication No	:WO 2019/065787	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The purpose of the present invention is to provide a separator for secondary batteries at low cost, said separator having excellent battery characteristics by achieving excellent adhesion between a porous substrate and a porous layer, thereby enabling the porous layer to sufficiently exhibit the characteristics thereof. A porous film which is obtained by laminating a porous layer on at least one surface of a porous substrate, said porous layer containing an organic resin that is different from the resin that constitutes the porous substrate. This porous film is configured such that: the projection height of the porous layer at the interface between the porous substrate and the porous layer is 200 nm or more; and the inter-projection distance of the porous layer at the interface between the porous substrate and the porous layer is 1 μm or more.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012794 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : CREATING VIRTUAL NETWORKS SPANNING MULTIPLE PUBLIC CLOUDS

(51) International classification	:H04L 12/46,G06F 9/455,H04L 12/715,H04L 12/24,H04L 12/28
(31) Priority Document No	:62/566,524
(32) Priority Date	:02/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/053811 :01/10/2018
(87) International Publication No	:WO 2019/070611
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)VMWARE, INC.**

Address of Applicant :3401 Hillview Avenue, Palo Alto, CA  
94304 U.S.A.

(72)**Name of Inventor :**

**1)ISRAEL CIDON**

**2)CHEN DAR**

**3)PRASHANTH VENUGOPAL**

**4)EYAL ZOHAR**

**5)ALEX MARKUZE**

**6)ARAN BERGMAN**

(57) Abstract :

Some embodiments establish for an entity a virtual network over several public clouds of several public cloud providers and/or in several regions. In some embodiments, the virtual network is an overlay network that spans across several public clouds to interconnect one or more private networks (e.g., networks within branches, divisions, departments of the entity or their associated datacenters), mobile users, and SaaS (Software as a Service) provider machines, and other web applications of the entity. The virtual network in some embodiments can be configured to optimize the routing of the entity's data messages to their destinations for best end-to-end performance, reliability and security, while trying to minimize the routing of this traffic through the Internet. Also, the virtual network in some embodiments can be configured to optimize the layer 4 processing of the data message flows passing through the network.

No. of Pages : 63 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012823 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PHOTOCATALYTIC METHOD FOR DISINFECTION OF INTERIOR SURFACES

(51) International classification	:A61L 2/08,A61L 2/16	(71) <b>Name of Applicant :</b> <b>1)BUCURESTEANU RAZVAN CATALIN</b> Address of Applicant :str Pestera Scarisoara 1A, Bloc 701 A, etaj 7, ap 26, sector 6, Bucuresti 062071 Romania <b>2)STARUS, GHEORGHE-MIHAI</b>
(31) Priority Document No	:A/2017 00801	(72) <b>Name of Inventor :</b>
(32) Priority Date	:09/10/2017	<b>1)BUCURESTEANU RAZVAN CATALIN</b>
(33) Name of priority country	:Romania	
(86) International Application No	:PCT/RO2018/000018	
Filing Date	:08/10/2018	
(87) International Publication No	:WO 2019/074386	
(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 refers to a photocatalytic method for disinfection of interior surfaces and composition of washable biocide paint with photocatalytic properties. The composition is based on acrylic- styrene resins in which was dispersed as photosensitive biocide agent, particles of photosensitized metal oxide semiconductor of type anatase Ti02 or ZnO, oxides that are doped with transition metals like Ag, Au, Cu, Ni, Fe, Cr, Co or Mn, and the biocide properties are activated through a photocatalytic activation Method by irradiating the composition with photons in the visible light spectrum, with wavelengths between 450 nm and 500 nm, which are characteristic for the activation of the dopant from the photosensitized semiconductor of type anatase Ti02 or ZnO, determining the apparition of reactive oxygen singlet species ROS (type 02 I Ag or 02 Eg ), species which have biocide and disinfecting action.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012835 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : HEPATITIS B ANTIVIRAL AGENTS

(51) International classification	:A01N 33/06,A01N 41/06,A61K 31/167	(71) <b>Name of Applicant :</b> <b>1)ENANTA PHARMACEUTICALS, INC.</b> Address of Applicant :500, Arsenal Street, Watertown, MA 02472 U.S.A.
(31) Priority Document No	:62/550,992	
(32) Priority Date	:28/08/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2018/048300 :28/08/2018	
(87) International Publication No	:WO 2019/046271	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	(72) <b>Name of Inventor :</b> <b>1)QIU, Yao-ling</b> <b>2)CAO, Hui</b> <b>3)GAO, Xuri</b> <b>4)KASS, Jordan</b> <b>5)LI, Wei</b> <b>6)PENG, Xiaowen</b> <b>7)SUH, Byung-chul</b> <b>8)OR, Yat, Sun</b>

(57) Abstract :

The present invention discloses compounds of Formula (I), or pharmaceutically acceptable salts, esters, or prodrugs thereof: which inhibit the protein(s) encoded by hepatitis B virus (HBV) or interfere with the function of the HBV life cycle of the hepatitis B virus and are also useful as antiviral agents. The present invention further relates to pharmaceutical compositions comprising the aforementioned compounds for administration to a subject suffering from HBV infection. The invention also relates to methods of treating an HBV infection in a subject by administering a pharmaceutical composition comprising the compounds of the present invention.

No. of Pages : 166 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012855 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SERVICE PROCESSING METHOD, MOBILE EDGE COMPUTING DEVICE, AND NETWORK DEVICE

(51) International classification	:H04W 28/08
(31) Priority Document No	:201710817825.6
(32) Priority Date	:12/09/2017
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/104032
Filing Date	:04/09/2018
(87) International Publication No	:WO 2019/052376
(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)HUAWEI TECHNOLOGIES CO., LTD.**

Address of Applicant :Huawei Administration Building,  
Bantian, Longgang District, Shenzhen, Guangdong 518129 China

(72)**Name of Inventor :**

**1)REN, Dewang**

**2)JIN, Heng**

**3)GUI, Xiaolin**

**4)ZHANG, Kaiyuan**

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(57) Abstract :

Disclosed in the present application are a service processing method, a mobile edge computing device and a network device, for use in resolving the technical problem in the prior art of a low resource utilization rate of MEC. The method comprises: a first mobile edge computing device receives a first service request, the first service request comprising service types and/or service content; the first mobile edge computing device sends a second service request to a second mobile edge computing device, the second request comprising at least part of the service types and/or at least part of the service content and identifier information of the first mobile edge computing device; and the first mobile edge computing device receives service data corresponding to the second service request from the second mobile edge computing device.

No. of Pages : 58 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012856 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SYSTEM AND METHOD FOR CLOUD-DEVICE COLLABORATIVE REAL-TIME USER USAGE AND PERFORMANCE ABNORMALITY DETECTION

(51) International classification	:G06F 11/30,G06F 11/34,G06F 11/07
(31) Priority Document No	:62/572,320
(32) Priority Date	:13/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/055710 :12/10/2018
(87) International Publication No	:WO 2019/075399
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)HUAWEI TECHNOLOGIES CO., LTD.**

Address of Applicant :Huawei Administration Building,  
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**2)FUTUREWEI TECHNOLOGIES, INC.**

(72)**Name of Inventor :**

**1)HUANG, Pai-Han**

**2)KHODAYARI-ROSTAMABAD, Ahmad**

**3)LEE, Olivia Yuh Ru**

(57) Abstract :

A computing device receives, from a remote device, one or more abnormality detection models for detecting anomaly of one or a plurality of applications with respect to one or more resource usage, obtains resource usage data associated with each application, determines, using the one or more abnormality detection models, whether each application has anomaly in a resource usage, and takes an action in response. The abnormality detection model is built using a machine learning technique at the remote device based on data collected from multiple devices. The resource usage data includes information about applications used by the computing device, e.g., usage or energy consumption of one or more hardware components or one or more services accessed by an application on the device. An abnormality detection result may include likelihoods of an application falling into an abnormality level in a plurality of abnormality levels.

No. of Pages : 46 No. of Claims : 51

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012857 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD AND DEVICE FOR TRANSMITTING UPLINK CONTROL CHANNEL

(51) International classification	:H04W 76/12	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:201710807583.2	<b>1)HUAWEI TECHNOLOGIES CO., LTD.</b>
(32) Priority Date	:08/09/2017	Address of Applicant :Huawei Administration Building,
(33) Name of priority country	:China	Bantian, Longgang District, Shenzhen, Guangdong 518129 China
(86) International Application No	:PCT/CN2018/103925	(72) <b>Name of Inventor :</b>
Filing Date	:04/09/2018	<b>1)SUN, Hao</b>
(87) International Publication No	:WO 2019/047819	<b>2)YANG, Fan</b>
(61) Patent of Addition to Application Number	:NA	<b>3)XUE, Lixia</b>
Filing Date	:NA	<b>4)WANG, Jianguo</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present application provides a method and a device for transmitting an uplink control channel and a method and a device for receiving an uplink control channel. The method for transmitting an uplink control channel comprises: a terminal device determining a first resource set for bearing the uplink control channel, the uplink control channel bearing uplink control information and a demodulation reference signal (DMRS), the first resource set comprising N resource subsets, each of the N resource subsets comprising a plurality of continuous symbols in a time domain, N being greater than or equal to 1; the terminal device determining, for each of the N resource subsets, the number of the symbols for carrying the DMRS, the number of symbols being one of at least two candidate numbers of symbols; and the terminal device transmitting the uplink control channel by means of the resource set.

No. of Pages : 67 No. of Claims : 69

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012858 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD, DEVICE, AND SYSTEM FOR DETECTING QUALITY OF SERVICE OF SERVICE

(51) International classification	:H04W 24/08,H04L 12/24	(71) <b>Name of Applicant :</b> <b>1)HUAWEI TECHNOLOGIES CO., LTD.</b> Address of Applicant :Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129 China
(31) Priority Document No	:201710874968.0	
(32) Priority Date	:25/09/2017	
(33) Name of priority country	:China	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/CN2018/104537	<b>1)SUN, Dekui</b>
Filing Date	:07/09/2018	<b>2)ZHOU, Han</b>
(87) International Publication No	:WO 2019/056953	<b>3)ZONG, Zaifeng</b>
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided in embodiments of the present application are a method, device, and system for detecting the quality of service of a service, thus allowing the detection of the quality of service of the service. The method comprises: a packet transmitting device acquires detection instruction information, the detection instruction information being used for instructing the packet transmitting device to execute a quality of service detection for a service; and the packet transmitting device transmits a detection packet to a packet receiving device on the basis of the detection instruction information, the detection packet being used for detecting the quality of service of the service.

No. of Pages : 61 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/03/2020

(21) Application No.202047012859 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : CHANNEL FEEDBACK METHOD AND RELATED DEVICE

(51) International classification	:H04B 7/26,H04B 7/04,H04L 1/06	(71) <b>Name of Applicant :</b> <b>1)HUAWEI TECHNOLOGIES CO., LTD.</b> Address of Applicant :Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129 China
(31) Priority Document No	:201710810156.X	
(32) Priority Date	:08/09/2017	
(33) Name of priority country	:China	
(86) International Application No	:PCT/CN2018/102962	
Filing Date	:29/08/2018	
(87) International Publication No	:WO 2019/047754	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed in the embodiments of the present application are a channel feedback method and a related device, for reducing energy dispersions after a Fourier transform operation is performed, reducing the number of coefficients to be reported, and reducing the overheads of uplink resources. The method of the embodiments of the present application comprises: a terminal device generating first information, the first information comprising parameters q,m 1,m 2, l,m L, and indication information concerning a vector V; where q is an integer, and q1; 0=m l=N-1,1=l=L; L>1, N, L, and l are integers, N is the number of sub-bands in a frequency domain bandwidth; the vector V containing L elements, and satisfying V=F q—C, where C is a vector composed of N elements c 1,! ,c N, C=[c 1 c 2 ! c N] T, c k is used to represent channel state information concerning a kth frequency domain sub-band, and c k is a complex number, the modulus |c k| of ck=1, 1=k=N; and the terminal device sending the first information to a network device.

No. of Pages : 43 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/03/2020

(21) Application No.202047012965 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : TECHNIQUES AND APPARATUSES FOR REMOVING AMBIGUITY ON THE SIZE OF CONTROL INFORMATION WITH LEADING ZEROES

(51) International classification

:H04L 1/00

(31) Priority Document No

:62/585,398

(32) Priority Date

:13/11/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2018/059970

Filing Date

:09/11/2018

(87) International Publication No

:WO 2019/094686

(61) Patent of Addition to Application Number

:NA

:NA

Filing Date

(62) Divisional to Application Number

:NA

:NA

(71)Name of Applicant :

1)QUALCOMM INCORPORATED

Address of Applicant :ATTN: International IP Administration  
5775, Morehouse Drive, San Diego, California 92121-1714  
U.S.A.

(72)Name of Inventor :

1)SARKIS, Gabi

2)JIANG, Jing

3)YANG, Yang

4)GAAL, Peter

5)SORIAGA, Joseph Binamira

6)CHEN, Wanshi

7)LEE, Heechoon

(57) Abstract :

Certain aspects of the present disclosure generally relate to wireless communication, with focus on reducing problems of downlink control information, DCI, size ambiguity when polar coding is used. In some aspects, a user equipment may receive a communication that includes DCI, wherein a size of the DCI affects a cyclic redundancy check, CRC, value associated with the communication; and determine the DCI or the size of the DCI based at least in part on the CRC value. Numerous other aspects are provided.

No. of Pages : 23 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202047012978 A

(19) INDIA

(22) Date of filing of Application :25/03/2020

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : RF TAG

(51) International classification	:G06K 19/077,G06K 19/00	(71) <b>Name of Applicant :</b> <b>1)TOYO SEIKAN GROUP HOLDINGS, LTD.</b> Address of Applicant :18-1, Higashi-Gotanda 2-chome, Shinagawa-ku, Tokyo 141-8627 Japan
(31) Priority Document No	:2017-190694	
(32) Priority Date	:29/09/2017	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2018/030079	<b>1)AKAMATSU, Shinya</b>
Filing Date	:10/08/2018	
(87) International Publication No	:WO 2019/064964	
(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 improves the communication characteristics of an inlay using an auxiliary antenna, while protecting the inlay from physical and mechanical external forces, shocks, or the like, without being subjected to the constraints of a dipole antenna. To that end, the present invention has a configuration comprising: an inlay 10 comprising an IC chip 11 and only a loop circuit antenna 12, on which the IC chip 11 is mounted, and not comprising another antenna; a casing 50 for accommodating the inlay 10 therein; and a planar top cover 20 covering one surface side of the casing 50. The top cover 20 is formed of a prescribed metallic material and comprises a notch 21 opening at least on one side. The inlay 10 is disposed within the casing 50 so as to be positioned inside the notch 21. The top cover 20 functions as an antenna of the inlay 10 by being electrically connected to the inlay 10.

No. of Pages : 38 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/03/2020

(21) Application No.202047013001 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SYSTEMS AND METHODS FOR CONFIGURING SLOT FORMATS WITH MULTIPLE SWITCHING POINTS PER SLOT

(51) International classification

:H04W 72/04

(31) Priority Document No

:62/559,479

(32) Priority Date

:15/09/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/CN2018/105405

Filing Date

:13/09/2018

(87) International Publication No

:WO 2019/052495

(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 :Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129 P.R. China

(72)Name of Inventor :

**1)ISLAM, Toufiqul**

**2)CAO, Yu**

**3)MA, Jianglei**

**4)XU, Hua**

**5)MAAREF, Amine**

**6)ZHANG, Liqing**

**7)AU, Kelvin Kar Kin**

(57) Abstract :

Systems and methods are provided that facilitate multiple switching points within a slot. A slot format indication is conveyed to a user equipment which indicates which symbols within a slot are uplink, downlink or unknown. Some formats feature half-slot switching meaning that a switch from uplink to downlink transmission takes place twice within a slot. Switching on a more frequent basis can deliver improved latency.

No. of Pages : 47 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2020

(21) Application No.202047013152 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF ARYLSULFONYLPROPENENITRILES BY PHOTOCATALYTIC REACTIONS

(51) International classification	:C07C 315/04,C07C 317/14	(71) <b>Name of Applicant :</b> <b>1)KEMIRA OYJ</b> Address of Applicant :Energiakatu 4 00180 Helsinki Finland
(31) Priority Document No	:20175768	(72) <b>Name of Inventor :</b>
(32) Priority Date	:29/08/2017	<b>1)AALTONEN, Toni</b>
(33) Name of priority country	:Finland	<b>2)KALLATSA, Oili</b>
(86) International Application No	:PCT/FI2018/050604	<b>3)SIMELL, Jaakko</b>
Filing Date	:27/08/2018	<b>4)SNEITZ, Nina</b>
(87) International Publication No	:WO 2019/043289	<b>5)KONN, Jonas</b>
(61) Patent of Addition to Application Number	:NA	<b>6)HILTUNEN, Jaakko</b>
Filing Date	:NA	<b>7)KOSKINEN, Ari</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for the preparation of arylsulfonylpro- penenitriles. The reaction starting from arylsulfonyl iodides is catalyzed by light. The process is scalable, environmentally benign and provides the product in good yield.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2020

(21) Application No.202047013153 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD FOR CONTROLLING GROWTH OF MICROORGANISMS AND/OR BIOFILMS IN AN INDUSTRIAL PROCESS

(51) International classification	:D21H 21/36,D21H 17/09,D21H 17/07	(71) <b>Name of Applicant :</b> <b>1)KEMIRA OYJ</b> Address of Applicant :Energiakatu 4 00180 Helsinki Finland
(31) Priority Document No	:17188321.8	<b>2)UNIVERSITY OF COPENHAGEN</b>
(32) Priority Date	:29/08/2017	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:EPO	<b>1)SIMELL, Jaakko</b>
(86) International Application No	:PCT/EP2018/073107	<b>2)KOLARI, Marko</b>
Filing Date	:28/08/2018	<b>3)GIVSKOV, Michael</b>
(87) International Publication No	:WO 2019/042984	<b>4)TOLKER-NIELSEN, Tim</b>
(61) Patent of Addition to Application Number	:NA	<b>5)RYBTKE, Morten Levin</b>
Filing Date	:NA	<b>6)ANDERSEN, Jens Bo</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for controlling of a biofilm, for removing of a formed biofilm and/or for controlling a growth of microorganisms, preferably bacteria, in an aqueous environment of an industrial manufacturing process comprising cellulosic fibre material. In the method a composition comprising a compound selected from a group consisting of 3-[(4-methylphenyl)sulphonyl]-2-propenenitrile and 4-amino-N-2-thiazolyl-benzenesulphonamide is administered to the aqueous environment of the process.

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2020

(21) Application No.202047013165 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : VIDEO INFORMATION PROCESSING METHOD, COMPUTER DEVICE AND STORAGE MEDIUM

(51) International classification	:H04N 21/431,H04N 21/4788,H04N 7/14
(31) Priority Document No	:201710806987.X
(32) Priority Date	:08/09/2017
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/103916
Filing Date	:04/09/2018
(87) International Publication No	:WO 2019/047818
(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)CHEN, Cong  
2)ZHONG, Chao**

**(57) Abstract :**

A video information processing method, a computer device, and a storage medium. The method comprises: receiving source video information sent by a server, the source video information including: an identifier of first user sending the source video, a source video identifier, and the storage location in the server of the source video corresponding to the source video identifier; acquiring special effects information of the source video; generating, according to the storage location, the source video identifier and the special effects information, interactive video information associated with the source video identifier, the interactive video information including the source video identifier, the storage location, the first user identifier and the special effects information; and uploading the interactive video information to the server for storage, the server then sending the interactive video information to a terminal corresponding to the first user identifier. The volume of video information delivered on the basis of the embodiment is enriched. Fig.3

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2020

(21) Application No.202047013230 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : TIMING ADVANCE GRANULARITY FOR UPLINK WITH DIFFERENT NUMEROLOGIES

(51) International classification	:H04W 56/00
(31) Priority Document No	:62/581579
(32) Priority Date	:03/11/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/058761
Filing Date	:01/11/2018
(87) International Publication No	:WO 2019/089964
(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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5775 Morehouse Drive San Diego, California 92121-1714 U.S.A.

**(72)Name of Inventor :**

- 1)ISLAM, Muhammad Nazmul**
  - 2)ANG, Peter Pui Lok**
  - 3)CHEN, Wanshi**
  - 4)GAAL, Peter**
  - 5)LUO, Tao**
  - 6)LEE, Heechoon**
  - 7)AKKARAKARAN, Sony**
  - 8)SUN, Jing**
- 

**(57) Abstract :**

Certain aspects of the present disclosure relate to communication systems, and more particularly, to determining a timing advance granularity for uplink communications associated with different numerologies.

No. of Pages : 32 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/03/2020

(21) Application No.202047013292 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A WIND TURBINE BLADE COMPRISING A ROOT END STRUCTURE WITH A PULTRUDED ELEMENT HAVING A TRANSITION PORTION

(51) International classification	:B29C 70/88,F03D 1/06,B29C 33/12,B29C 70/86,B29D 99/00	(71) <b>Name of Applicant :</b> <b>1)LM WIND POWER INTERNATIONAL TECHNOLOGY II APS</b> Address of Applicant :Jupitervej 6 6000 Kolding Denmark
(31) Priority Document No	:17197088.2	(72) <b>Name of Inventor :</b>
(32) Priority Date	:18/10/2017	<b>1)JALMER, Bernu</b>
(33) Name of priority country	:EPO	<b>2)PAVLISH, Chad</b>
(86) International Application No	:PCT/EP2018/078512	<b>3)SAMUELSON, Jacob</b>
Filing Date	:18/10/2018	<b>4)BARSLEV, Henrik</b>
(87) International Publication No	:WO 2019/077022	<b>5)KEDOCHIM, Danny</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a root end structure, a wind turbine blade comprising such a root end structure and a method of manufacturing such a wind turbine blade. The root end structure comprises a plurality of fastening members distributed along a root end of a blade part, wherein a first plurality of pultruded elements are arranged in between the fastening members and a second pultruded element is further arranged at the blade joint ends adjacent to an outermost fastening member. Each first pultruded element has opposite facing second sides each facing a first side of an adjacent fastening member. The second pultruded element has one second side facing the outermost fastening member and another second side facing the blade joint interface. The second pultruded element comprises a transition portion forming a smooth transition for the inner layers extending further along the mould edge surface. (Fig. 5)

No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2020

(21) Application No.202047013457 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SPHERICAL SILICA PARTICLE SIZE FOR RDA CONTROL

(51) International classification	:C01B 33/193,A61K 8/25,A61Q 11/02,A61K 6/00	(71) <b>Name of Applicant :</b> <b>1)EVONIK OPERATIONS GMBH</b> Address of Applicant :Rellinghauser Strasse 1-11, 45128 Essen Germany
(31) Priority Document No	:62/551,259	(72) <b>Name of Inventor :</b>
(32) Priority Date	:29/08/2017	<b>1)HAGAR, William J.</b>
(33) Name of priority country	:U.S.A.	<b>2)NASSIVERA, Terry W.</b>
(86) International Application No Filing Date	:PCT/EP2018/073097 :28/08/2018	<b>3)GALLIS, Karl W.</b>
(87) International Publication No	:WO 2019/042975	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Silica particles having ad50 median particle size of at least 6μm, aratio of (d90-d10)/d50 from 1.1 to 2.4, a RDA at 20 wt. % loading from 40 to 200, and a sphericity factor (S80) of at least 0.9,are disclosed, as well as methods for making these silica particles, and dentifrice compositions containing the silica particles.

No. of Pages : 28 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2020

(21) Application No.202047013547 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHODS AND APPARATUSES FOR REDUCING STRAY LIGHT EMISSION FROM AN EYEPIECE OF AN OPTICAL IMAGING SYSTEM

(51) International classification	:F21V 8/00,G02B 6/26,G02B 26/00,G02B 26/08,G02B 27/00	(71) <b>Name of Applicant :</b> <b>1)MAGIC LEAP, INC.</b> Address of Applicant :7500 W. Sunrise Blvd., Plantation, FL 33322 U.S.A. (72) <b>Name of Inventor :</b> <b>1)YARAS, Fahri</b> <b>2)BROWY, Eric C.</b> <b>3)LIU, Victor Kai</b> <b>4)BHARGAVA, Samarth</b> <b>5)SINGH, Vikramjit</b> <b>6)VAUGHN, Michal Beau Dennison</b> <b>7)SAWICKI, Joseph Christopher</b>
(31) Priority Document No	:62/564528	
(32) Priority Date	:28/09/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2018/053172 :27/09/2018	
(87) International Publication No	:WO 2019/067751	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An eyepiece for a head-mounted display includes one or more first waveguides arranged to receive light from a spatial light modulator at a first edge, guide at least some of the received light to a second edge opposite the first edge, and extract at least some of the light through a face of the one or more first waveguides between the first and second edges. The eyepiece also includes a second waveguide positioned to receive light exiting the one or more first waveguides at the second edge and guide the received light to one or more light absorbers.

No. of Pages : 25 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2020

(21) Application No.202047013548 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : NEAR EYE 3D DISPLAY WITH SEPARATE PHASE AND AMPLITUDE MODULATORS

(51) International classification	:G02B 27/01,G02B 27/42,G02B 27/44,G03H 1/12
(31) Priority Document No	:62/564024
(32) Priority Date	:27/09/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/052882 :26/09/2018
(87) International Publication No	:WO 2019/067559
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :

1)**MAGIC LEAP, INC.**

Address of Applicant :500 W. Sunrise Blvd., Plantation,  
Florida 33322 U.S.A.

(72)Name of Inventor :

1)**JIA, Zhiheng**

2)**ZHENG, Hao**

3)**DAIKER, Jeffrey Todd**

4)**GRATA, Jeremy A.**

(57) Abstract :

Augmented reality glasses include near eye displays that include sources of imagewise amplitude modulated light optical coupled to spatial phase modulators or active zone plate modulators and optically coupled to eye coupling optics. The sources of imagewise amplitude modulated light can include emissive 2D display panels or light sources coupled to imagewise amplitude modulators. The eye coupling optics can include volume holographic diffraction gratings.

No. of Pages : 19 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013633 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD FOR DETERMINING CQI INFORMATION, BASE STATION, AND USER EQUIPMENT

(51) International classification	:H04W 24/02
(31) Priority Document No	:
(32) Priority Date	:01/04/2020
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2017/100214
Filing Date	:01/09/2017
(87) International Publication No	:WO 2019/041312
(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)BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.**

Address of Applicant :Room 01, Floor 9, Rainbow City Shopping Mall of China Resources, No. 68, Qinghe Middle Street, Haidian District Beijing 100085 China

(72)Name of Inventor :

**1)ZHOU, Juejia**

(57) Abstract :

Provided are a method for determining CQI information, a base station, and a user equipment. The method comprises: determining whether the situations, where intra-device interference occurs, of a target user equipment during a CQI measurement time period and a postorder downlink scheduling time period of a target bandwidth granularity are the same; and if the situations, where intra-device interference occurs, are different, determining, according to a pre-set offset, a target CQI grade for serving inorder and postorder downlink scheduling of the target bandwidth granularity. By means of the method for determining CQI information provided in the present disclosure, the accuracy of a CQI grade serving downlink scheduling of a target UE can be effectively improved, so that the precision of a modulation and coding mode used in the downlink scheduling of the target UE is effectively improved, and an accurate downlink transmission rate is then used to transmit downlink information to the target UE, thereby improving the overall performance of a system.

No. of Pages : 57 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013646 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LEAD-ACID BATTERY

(51) International classification	:H01M 10/12,H01M 4/14	(71)Name of Applicant : <b>1)GS YUASA INTERNATIONAL LTD.</b> Address of Applicant :1, Inobaba-cho, Nishinoshio, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 6018520 Japan
(31) Priority Document No	:2017-188947	
(32) Priority Date	:28/09/2017	
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:PCT/JP2018/025349	<b>1)ITO, Etsuko</b>
Filing Date	:04/07/2018	<b>2)ANDO, Kazunari</b>
(87) International Publication No	:WO 2019/064792	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To suppress reduction of capacitance characteristics due to inhibition of movement of ions by a glass mat and to prevent detachment of a positive electrode material from a current collector in order to improve life characteristics. [Solution] Provided is a lead storage cell comprising: a positive electrode plate including a current collector and a positive electrode material supported by the current collector; a negative electrode plate; a separator disposed between the positive electrode plate and the negative electrode plate; and a glass mat including glass fibers and disposed on the positive electrode material in the positive electrode plate, wherein the glass fibers included in the glass mat include first glass fibers that has a diameter of 8-20 µm and second glass fibers that has a diameter of 50-100 µm, and a specific area, in which the positive electrode material, the first glass fibers, and the second glass fibers coexist, is present in at least one cross section substantially orthogonal to the positive electrode material and the positive electrode plate in the glass mat.

No. of Pages : 40 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013647 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LEAD-ACID BATTERY

(51) International classification	:H01M 4/14,H01M 4/62	(71) <b>Name of Applicant :</b> <b>1)GS YUASA INTERNATIONAL LTD.</b> Address of Applicant :1, Inobaba-cho, Nishinoshio, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 6018520 Japan
(31) Priority Document No	:2017-187503	
(32) Priority Date	:28/09/2017	
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2018/027483	
Filing Date	:23/07/2018	
(87) International Publication No	:WO 2019/064854	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This lead acid storage battery is provided with: a positive electrode plate which comprises a collector and a positive electrode material that is supported by the collector; and a negative electrode plate. The total pore volume per unit mass of the positive electrode material is 0.167 cm<sup>3</sup>/g or less. The positive electrode material contains fibers; and the average specific surface area of the fibers as determined by a BET method that uses a krypton gas as an adsorption gas is 0.25 m<sup>2</sup>/g or more.

No. of Pages : 37 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013662 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : STORAGE SHELF BASE AND ITEM OF FURNITURE OR HOUSEHOLD APPLIANCE

(51) International classification	:A47B 49/00,F25D 25/02	(71) <b>Name of Applicant :</b> <b>1)PAUL HETTICH GMBH &amp; CO. KG</b> Address of Applicant :Vahrenkampstrae 12-16 32278 Kirchlengern Germany
(31) Priority Document No	:10 2017 120 160.2	
(32) Priority Date	:01/09/2017	
(33) Name of priority country	:Germany	
(86) International Application No	:PCT/EP2018/072993	
Filing Date	:27/08/2018	
(87) International Publication No	:WO 2019/042922	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a storage shelf base (1) for an item of furniture (11) or household appliance (12), comprising a base plate (2) that can be stationarily secured to a body (13, 14) of the item of furniture (11) or household appliance (12), a support plate (3) arranged on the base plate (2), and a storage shelf (4) which is positively driven relative to the support plate (3) and can simultaneously be moved rotationally and translationally, wherein facing bearing surfaces (31, 42) of the support plate (3) and the storage shelf (4) have respective at least substantially closed circulating running grooves (33, 34, 43, 44, 45, 46), in which rolling elements (10) are guided, wherein the storage shelf (4) can be moved relative to the support plate (3), out of an initial position into an intermediate position, in an opening movement, in which the storage shelf (4) is rotated relative to the support plate (3) in a rotational direction (R1, R2) and shifted in a predetermined direction (A) and can be moved out of the intermediate position back into the initial position in a closing movement, wherein the support plate (3) has a closing-support device supporting the closing movement of the storage shelf (4).

No. of Pages : 13 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013663 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DEVICE FOR INSERTING A SURGICAL IMPLANT

(51) International classification	:A61F 2/46,A61B 17/92	(71) <b>Name of Applicant :</b> <b>1)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE</b> Address of Applicant :3, rue Michel Ange 75016 PARIS France
(31) Priority Document No	:1759130	<b>2)UNIVERSIT% PARIS XII VAL DE MARNE</b>
(32) Priority Date	:29/09/2017	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:France	<b>1)HAIAT, Guillaume</b>
(86) International Application No	:PCT/EP2018/076228	<b>2)ROSI, Giuseppe</b>
Filing Date	:27/09/2018	<b>3)TIJOU, Antoine</b>
(87) International Publication No	:WO 2019/063675	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device for forcefully inserting a surgical implant in a recipient bone by impaction, comprising an impactor (10) that exerts an impaction force on the implant and is associated with at least one sensor (12). The sensor (12) measures a value from among the exerted impaction force and the deformation of the impactor (10) and provides a measurement signal representing the temporal variation of said value during an impact. The sensor (12) is linked to a processing unit (30) that is configured to compute, on the basis of the temporal variation of said value during the impact, an indicator representing the level of contact between the implant and the recipient bone. The indicator corresponds to the duration separating the instant corresponding to the first maximum amplitude peak of the measurement signal from the instant corresponding to the second maximum amplitude peak of the measurement signal. The implant can be a femoral rod (2).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013664 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD FOR CONTROLLING GROWTH OF MICROORGANISMS AND/OR BIOFILMS IN AN INDUSTRIAL PROCESS

(51) International classification	:D21C 9/00,D21H 17/09,D21H 17/14,D21H 21/04,D21H 21/36	(71) <b>Name of Applicant :</b> <b>1)KEMIRA OYJ</b> Address of Applicant :Energiakatu 4, 00180 Helsinki Finland
(31) Priority Document No	:17188319.2	(72) <b>Name of Inventor :</b>
(32) Priority Date	:29/08/2017	<b>1)SIMELL, Jaakko</b>
(33) Name of priority country	:EPO	<b>2)KOLARI, Marko</b>
(86) International Application No Filing Date	:PCT/EP2018/073109 :28/08/2018	<b>3)KONN, Jonas</b>
(87) International Publication No	:WO 2019/042985	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for controlling of a biofilm, for removing of a formed biofilm and/or for controlling a growth of microorganisms, preferably bacteria, in an aqueous environment of an industrial manufacturing process comprising cellulosic fibre material. A compound according to Formula I is administered to the aqueous environment of the process, in which Formula I R1, R2 and R3 independently represent a hydrogen atom; halogen atom; hydroxy group; amino group; alkylamino group, alkyl group, hydroxyalkyl group, haloalkyl group or alkoxy group having 1 to 4 carbon atoms; or an acylamido group having 1 to 10 carbon atoms; and A represents 2-thiazolamine; 2-propenenitrile; 2-propenoic acid; alkyl ester or hydroxyalkyl ester of 2-propenoic acid having 1 to 4 carbon atoms; or -CH<sub>2</sub>CHCONR<sub>5</sub>R<sub>6</sub> group, where R<sub>5</sub> and R<sub>6</sub> represent independently hydrogen atom, alkyl or hydroxyalkyl having 1 to 4 carbon atoms, with the proviso that the compound according to Formula I is not 3-[(4-methylphenyl)sulphonyl]-2-propenenitrile or 4-amino-N-2-thiazolyl-benzene-sulphonamide.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013665 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : IMPROVED RESORBABLE POLYMER PURIFICATION PROCESS

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	:A61L 27/00,C08F 6/12,C08G 63/08,C08G 63/64,C08G 63/85
(51) International classification	
(31) Priority Document No	:62/552973
(32) Priority Date	:31/08/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/049140 :31/08/2018
(87) International Publication No	:WO 2019/046748
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(71)**Name of Applicant :**

**1)EVONIK CORPORATION**

Address of Applicant :299 Jefferson Road Parsippany, NJ  
07054 U.S.A.

(72)**Name of Inventor :**

**1)LU, Jie**

**2)OBERMEIER, Boris**

**3)ARNOLD-STANTON, Regina**

**4)JONES, Adolphus, G.**

(57) Abstract :

The present invention is directed to an improved purification process using additive and activated carbon for purifying resorbable polymers suitable for industrial manufacturing. The metal catalyst concentration in the purified resorbable polymers of this invention is preferably less than 1 ppm. The method can be used to obtain high molecular weight polymers that are substantially metal free.

No. of Pages : 13 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013718 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD FOR DETERMINING CQI INFORMATION, BASE STATION, AND USER EQUIPMENT

(51) International classification	:H04W 24/00
(31) Priority Document No	:
(32) Priority Date	:16/06/2017
(33) Name of priority country	:
(86) International Application No	:PCT/CN2017/100207
Filing Date	:01/09/2017
(87) International Publication No	:WO 2019/041310
(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 :Room 01, Floor 9, Rainbow City Shopping Mall of China Resources, NO. 68, Qinghe Middle Street, Haidian District Beijing 100085 China

(72)Name of Inventor :

**1)ZHOU, Juejia**

(57) Abstract :

Provided are a method for determining CQI information, a base station, and a user equipment. The method comprises: determining channel quality indication (CQI) feedback configuration information about a target user equipment, wherein the CQI feedback configuration information at least comprises: CQI feedback configuration information about an interference sub-band, and the interference sub-band is a downlink frequency range involved in intra-device interference; sending the CQI feedback configuration information to the target user equipment; and according to CQI information, reported by the target user equipment according to the CQI feedback configuration information, about different bandwidth granularities, determining target CQI information for serving postorder downlink scheduling. By means of the method for determining CQI information provided in the present disclosure, the precision of a modulation and coding mode used in the downlink scheduling of a target UE can be effectively improved, and an accurate downlink transmission rate is then used to transmit downlink information to the target UE, thereby improving the overall performance of a system.

No. of Pages : 60 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/03/2020

(21) Application No.202047013721 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : POLY(ARYL PIPERIDINIUM) POLYMERS INCLUDING THOSE WITH STABLE CATIONIC PENDANT GROUPS FOR USE AS ANION EXCHANGE MEMBRANES AND IONOMERS

(51) International classification	:B01D 71/62,B01D 71/80,B01D 71/82	(71)Name of Applicant :
(31) Priority Document No	:62/565,076	1)YAN, Yushan Address of Applicant :154 Peoples Way Hockessin, DE 19707 U.S.A.
(32) Priority Date	:28/09/2017	2)HU, Keda
(33) Name of priority country	:U.S.A.	3)WANG, Junhua
(86) International Application No Filing Date	:PCT/US2018/053651 :28/09/2018	4)WANG, Lan
(87) International Publication No	:WO 2019/068051	5)XU, Bingjun
(61) Patent of Addition to Application Number Filing Date	:NA :NA	6)ZHAO, Yun
(62) Divisional to Application Number Filing Date	:NA :NA	(72)Name of Inventor : 1)YAN, Yushan 2)HU, Keda 3)WANG, Junhua 4)WANG, Lan 5)XU, Bingjun 6)ZHAO, Yun

(57) Abstract :

Poly(aryl piperidinium) polymers with pendant cationic groups are provided which have an alkaline-stable cation, piperidinium, introduced into a rigid aromatic polymer backbone free of ether bonds. Hydroxide exchange membranes or hydroxide exchange ionomers formed from these polymers exhibit superior chemical stability, hydroxide conductivity, decreased water uptake, good solubility in selected solvents, and improved mechanical properties in an ambient dry state as compared to conventional hydroxide exchange membranes or ionomers. Hydroxide exchange membrane fuel cells comprising the poly(aryl piperidinium) polymers with pendant cationic groups exhibit enhanced performance and durability at relatively high temperatures.

No. of Pages : 70 No. of Claims : 79

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013782 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : MOULD AND METHOD FOR PRODUCING FOOTWEAR

(51) International classification	:B29D 35/06,B29D 35/08,B29D 35/10,A43B 13/12,B29D 35/14	(71) <b>Name of Applicant :</b> <b>1)STEMMA SRL</b> Address of Applicant :Via del Commercio, 16-18 31041 Cornuda (Treviso) Italy
(31) Priority Document No	:102017000108402	(72) <b>Name of Inventor :</b>
(32) Priority Date	:27/09/2017	<b>1)BORDIN, Ettore</b>
(33) Name of priority country	:Italy	<b>2)PELLIZZARI, Stefano</b>
(86) International Application No Filing Date	:PCT/IB2018/057387 :25/09/2018	
(87) International Publication No	:WO 2019/064170	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a mould (10) for producing footwear (1) by direct injection onto an upper (2) of a sole (3), comprising a tread (5) and a midsole (4), wherein the midsole (4) is composed of a first layer (6) and a second layer (7). The mould (10) comprises a base (12), a pair of first half-rings (16), a lid (18), a pair of second half-rings (20) and a mould last (22). The first half-rings (16) are designed to be arranged close together such that they abut against the base (12) and against the lid (18), so as to form a first mould cavity for moulding the first layer (6) of the midsole (4). While the first half-rings (16) are abutting against the base (12), the second half-rings (20) are designed to be arranged close together, such that they lie over the half-rings (16) and abut against the upper (2), fitted onto the mould last (22), so as to form a second mould cavity for moulding the second layer (7) of the midsole (4). In accordance with the invention the first half-rings (16) are provided with guiding means (24) so that they can be moved away from and towards each other and rotate about an axis of rotation (C). The invention also relates to a method for producing footwear by direct injection onto an upper, which may be performed by means of the mould according to the invention.

No. of Pages : 15 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013783 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : FILTER AND FLUID SEPARATION METHOD

(51) International classification	:B01J 20/28,B01D 53/04,B01J 20/02,B01J 20/06,C02F 1/28	(71) <b>Name of Applicant :</b> <b>1)TORAY INDUSTRIES, INC.</b> Address of Applicant :1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 1038666 Japan
(31) Priority Document No	:2017-189898	(72) <b>Name of Inventor :</b>
(32) Priority Date	:29/09/2017	<b>1)MIYAMOTO Ryoma</b>
(33) Name of priority country	:Japan	<b>2)YAMAMURA Gohei</b>
(86) International Application No Filing Date	:PCT/JP2018/032492 :31/08/2018	<b>3)KOZAKI Yoichiro</b>
(87) International Publication No	:WO 2019/065092	<b>4)HIRANABE Ryuichiro</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)KANAMORI Satoko</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided is a filter having either or both of a winding and a laminate that include a fiber-like absorbing material, wherein the fiber-like absorbing material has a base material and metal particles supported on the base material, and the diameter D of the fiber-like absorbing material, the void fraction of the winding or laminate, and the variation in the area void fraction in the radial direction of the winding or the variation in the area void fraction in the direction of lamination are in a specific range.

No. of Pages : 37 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013806 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SAFE ELEVATOR SHAFT AND CAR ROOF ACCESS

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(51) International classification	:B66B 5/00
(31) Priority Document No	:17193432.6
(32) Priority Date	:27/09/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/075470
Filing Date	:20/09/2018
(87) International Publication No	:WO 2019/063407
(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)INVENTIO AG**

Address of Applicant :Seestrasse 55, CH-6052 Hergiswil Switzerland

(72)Name of Inventor :

**1)BASTELLI, Joseph**

(57) Abstract :

In an elevator installation (1) subject to maintenance by a technician (22), a drive system (12) is operated to move an elevator car (4) along an elevator shaft (2) in response to a call entered by the technician (22) on a first floor (L1). The drive system (12) is deactivated in response to a control signal generated by an elevator controller (14) when a safety circuit (32) of the elevator installation (1) is interrupted. Interrupting the safety circuit (32) is caused by a detector (28, 30) mounted on the elevator car (4) detecting a signal transmitted by a service tool (34) and having an intensity value that is about equal to a predetermined threshold value. The service tool (34) is introduced into a receptacle (10) of a shaft door (8) at the first floor (L1). After deactivation of the drive system (12) the moving of the elevator car (4) comes to a halt with its roof (4b) being at a level to allow the technician (22) to step on top of the roof (4b) from the first floor (L1, L2). [FIGURE 1]

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013807 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : MOBILITY ROBUSTNESS FOR DISCONTINUOUS RECEPTION WAKE UP SIGNAL

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(51) International classification	:H04W 52/02
(31) Priority Document No	:62/564,825
(32) Priority Date	:28/09/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2018/057471
Filing Date	:26/09/2018
(87) International Publication No	:WO 2019/064208
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant :SE-164 83 Stockholm Sweden

(72)Name of Inventor :

1)H-GLUND, Andreas

2)SCHLIWA-BERTLING, Paul

(57) Abstract :

According to an embodiment, a method for use in a wireless device is provided. The method comprises waking up from a discontinuous reception (DRX) mode in a cell. The method further comprises determining whether the cell is the same as a previous cell of the wireless device. In response to determining that the cell is not the same as the previous cell, the method further comprises determining whether the wireless device missed a wake-up signal opportunity in the cell. The method further comprises monitoring each of the paging occasions associated with the wake-up signal opportunity if the cell is not the same as the previous cell and the wake-up signal opportunity was missed. Figure M1

No. of Pages : 43 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013873 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : RENDERING A DYNAMIC LIGHT SCENE BASED ON AUDIO-VISUAL CONTENT

(51) International classification	:H05B 37/02,H04N 21/44	(71) <b>Name of Applicant :</b> <b>1)SIGNIFY HOLDING B.V.</b> Address of Applicant :High Tech Campus 48, NL-5656 AE Eindhoven Netherlands
(31) Priority Document No	:17189067.6	
(32) Priority Date	:01/09/2017	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/073110	<b>1)RYCROFT, Simon</b>
Filing Date	:28/08/2018	<b>2)MASON, Jonathan, David</b>
(87) International Publication No	:WO 2019/042986	<b>3)BERGMAN, Anthonie, Hendrik</b>
(61) Patent of Addition to Application Number	:NA	<b>4)VAN BOVEN, Jacobus, Dingenis, Machiel</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of controlling a connected lighting system based on audio-visual content. The method comprises automatically performing operations of: color extraction from an image comprised in video component of the audio-visual content, calculating an audio intensity level of an audio sample of the audio component of the audio-visual content, determining of a first target light color and a first audio intensity level based on the extracted color and the calculated audio intensity level; and controlling at least one lighting device according to the determined first target light color and the first audio intensity level. This method provides for control in a manner which increases immersion of a user experiencing the audio-visual content as being rendered by, for example a TV, through providing light effects by a connected lighting system.

No. of Pages : 12 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013874 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : INDOOR POSITIONING SYSTEM FOR MOBILE OBJECTS

(51) International classification	:G05D 1/00,G05D 1/02,H04B 10/116,H05B 37/02,H04B 10/80	(71)Name of Applicant : <b>1)SIGNIFY HOLDING B.V.</b> Address of Applicant :High Tech Campus 48, NL-5656 AE Eindhoven Netherlands
(31) Priority Document No	:17189882.8	(72)Name of Inventor :
(32) Priority Date	:07/09/2017	<b>1)VERBRUGH, Stefan, Marcus</b>
(33) Name of priority country	:EPO	<b>2)DAVIES, Robert, James</b>
(86) International Application No Filing Date	:PCT/EP2018/073177 :29/08/2018	<b>3)VAN VOORTHUISEN, Paul, Henricus, Johannes, Maria</b>
(87) International Publication No	:WO 2019/048296	<b>4)HABETS, Alexander, Paulus, Philippus, Maria</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)KUPPEN, Johan, Wilhelmus, Hermanus</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A mobile object configured for movement in an area equipped with VLC illumination sources comprises a light sensor arranged to detect illumination from at least one of the illumination sources within the view of the light sensor; a computer arranged to determine from the detected illumination (i) a position of the mobile object relative to the at least one illumination source and (ii) the identifier of the at least one illumination source; and a transceiver. The transceiver can receive from another mobile object a message comprising the position of the other mobile object relative to a source of illumination, and the identifier of that source of illumination. From this, the computer determines from its position and the message a distance from the other mobile object. A mobile object which transmits such a message is also envisaged.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013875 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LUMINAIRE FOR MOUNTING ON A POLE

(51) International classification	:F21V 21/108,F21V 21/116,F21V 21/30,F21V 23/00	(71) <b>Name of Applicant :</b> <b>1)SIGNIFY HOLDING B.V.</b> Address of Applicant :High Tech Campus 48, NL-5656 AE Eindhoven Netherlands
(31) Priority Document No	:17189958.6	(72) <b>Name of Inventor :</b>
(32) Priority Date	:07/09/2017	<b>1)GIELEN, Vincent, Stefan, David</b>
(33) Name of priority country	:EPO	<b>2)MARINUS, Antonius, Adrianus, Maria</b>
(86) International Application No	:PCT/EP2018/073684	
Filing Date	:04/09/2018	
(87) International Publication No	:WO 2019/048406	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A luminaire (1) for mounting on a pole is disclosed. The luminaire (1) comprises: a lighting unit (17); a driver compartment (8) housing a driver (9) electrically connected to the lighting unit (17); and a pole compartment (3) adapted to receive an end portion of the pole, the pole compartment (3) extending along a longitudinal axis (L) along which said end portion is arranged when received by the pole compartment (3), wherein the pole compartment (3) and the driver compartment (5) are arranged adjacent to each other in a direction (D) perpendicular to the longitudinal axis (L), and wherein the driver compartment (8) and the lighting unit (17) are arranged at a distance from each other along the longitudinal axis (L). A street lamp comprising the luminaire (1) is also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013876 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : COMMISSIONING IN MULTI-HOP NETWORKS BY USING A SINGLE-HOP CONNECTION

(51) International classification	:H04L 12/751
(31) Priority Document No	:17189625.1
(32) Priority Date	:06/09/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/073006
Filing Date	:27/08/2018
(87) International Publication No	:WO 2019/048278
(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)SIGNIFY HOLDING B.V.**

Address of Applicant :High Tech Campus 48, NL-5656 AE  
Eindhoven Netherlands

(72)Name of Inventor :

**1)MICHIELSEN, Robin**

**2)ROZENDAAL, Leendert, Teunis**

**3)DRIESEN, Bas**

(57) Abstract :

The present invention relates to methods and apparatuses for controlling commissioning of a network device (22) in a multi-hop network, e.g., ZigBee network, (200) of a multi-hop technology, wherein the network device (22) is a combo network device with a single-hop communication unit of a single-hop technology, e.g., Bluetooth Low Energy (BLE), for establishing a point-to-point connection and a multi-hop communication unit of the multi-hop technology for communicating with other network devices (20) of the multi-hop network in the multi-hop network (200). The single-hop connection of the network device (22) for commissioning allows seamless transfer from controlling the network device (22) via the single-hop network to controlling the network device (22) via the multi-hop network via a bridge device (25), without running the risk of unnecessarily looking for open networks, having to look up and enter an access key or bringing the network device (22) close to the bridge device (25), and whilst maintaining a secure setup.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013910 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PROTEINS BINDING NKG2D, CD16 AND A TUMOR-ASSOCIATED ANTIGEN

(51) International classification	:C07K 16/28,C07K 16/30,C12N 5/0783	(71) <b>Name of Applicant :</b> <b>1)DRAGONFLY THERAPEUTICS, INC.</b> Address of Applicant :35 Gatehouse Drive, Waltham, MA 02451 U.S.A.
(31) Priority Document No	:62/555,110	
(32) Priority Date	:07/09/2017	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2018/050073	<b>1)CHANG, Gregory, P.</b>
Filing Date	:07/09/2018	<b>2)CHEUNG, Ann, F.</b>
(87) International Publication No	:WO 2019/051308	<b>3)HANEY, William</b>
(61) Patent of Addition to Application Number	:NA	<b>4)LUNDE, Bradley, M.</b>
Filing Date	:NA	<b>5)PRINZ, Bianka</b>
(62) Divisional to Application Number	:NA	<b>6)GRINBERG, Asya</b>
Filing Date	:NA	

(57) Abstract :

Multi-specific binding proteins that bind the NKG2D receptor, CD16, and a tumor- associated antigen are described, as well as pharmaceutical compositions and therapeutic methods useful for the treatment of cancer.

No. of Pages : 84 No. of Claims : 103

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013911 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : T CELL RECEPTORS RECOGNIZING MUTATED P53

(51) International classification

:C07K 14/725

(31) Priority Document No

:62/565,383

(32) Priority Date

:29/09/2017

(33) Name of priority country

:U.S.A.

(86) International Application No

:PCT/US2018/051285

Filing Date

:17/09/2018

(87) International Publication No

:WO 2019/067243

(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)MALEKZADEH, Parisa**
- 2)PARKHURST, Maria R.**
- 3)LO, Winifred M.**
- 4)PASETTO, Anna**
- 5)DENIGER, Drew C.**
- 6)ROSENBERG, Steven A.**
- 7)YOSEPH, Rami**
- 8)LU, Yong-Chen**
- 9)ROBBINS, Paul F.**

**(57) Abstract :**

Disclosed is an isolated or purified T cell receptor (TCR) having antigenic specificity for mutated human p53. Related polypeptides and proteins, as well as related nucleic acids, recombinant expression vectors, host cells, populations of cells, and pharmaceutical compositions are also provided. Also disclosed are methods of detecting the presence of cancer in a mammal and methods of treating or preventing cancer in a mammal.

No. of Pages : 133 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047013912 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PROCESS FOR THE PREPARATION OF TUBULYSINS AND INTERMEDIATES THEREOF

(51) International classification	:C07D 417/12,A61K 45/06,C07H 15/26,C07D 277/56,C07K 5/117	(71) <b>Name of Applicant :</b> <b>1)SEATTLE GENETICS, INC.</b> Address of Applicant :21823 30th Drive Southeast, Bothell, Washington 98021 U.S.A.
(31) Priority Document No	:62/556,234	(72) <b>Name of Inventor :</b>
(32) Priority Date	:08/09/2017	<b>1)WU, Kun-Liang</b>
(33) Name of priority country	:U.S.A.	<b>2)JIN, Qingwu</b>
(86) International Application No Filing Date	:PCT/US2018/050095 :07/09/2018	<b>3)DOUBLEDAY, Wendel</b>
(87) International Publication No	:WO 2019/051322	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Improved processes for the preparation of tubulysin compounds, tubulysin drug linker compounds, and their intermediates are disclosed.

No. of Pages : 263 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047014106 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METALLIC MIXTURE BLASTING CAPSULE

(51) International classification	:C06B 33/12,C06B 23/00,C06C 9/00,F42D 3/04	(71)Name of Applicant : <b>1)ENAELEX S.A.</b> Address of Applicant :El Trovador N 4253, Comuna de Las Condes Region Metropolitana, 7550079 Chile
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)ASECIO, Claudio Nunez</b>
(33) Name of priority country	:NA	<b>2)KIM, Chulwon</b>
(86) International Application No Filing Date	:PCT/KR2018/002153 :21/02/2018	<b>3)KIM, Sung Kook</b>
(87) International Publication No	:WO 2019/164027	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a metallic mixture blasting capsule comprising: an outer cylinder; an inner cylinder accommodated inside the outer cylinder; a rapidly expanding metallic mixture composed of a sodium nitrate powder which is an oxidizing agent, a ferric oxide powder which is an oxidizing agent, an aluminum powder which is a reducing agent, a solid lubricant powder which is an anti-friction agent between powders, and an inorganic filler powder which is a filler for pores between powders, and is filled between the outer cylinder and the inner cylinder; a rapidly detonating metallic mixture composed of a sodium nitrate powder which is an oxidizing agent, a ferric oxide powder which is an oxidizing agent, a copper oxide powder which is an oxidizing agent, an aluminum powder which is a reducing agent, and a magnesium powder which is a reducing agent, and is mixed in a weight ratio greater than that of the aluminum powder and filled in the inner cylinder; and an electric spark generation means embedded in the rapidly detonating metallic mixture.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047014114 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : TERMINAL DEVICE AND COMMUNICATION METHOD

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(51) International classification	:H04W 72/04
(31) Priority Document No	:2017-177646
(32) Priority Date	:15/09/2017
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2018/031011
Filing Date	:22/08/2018
(87) International Publication No	:WO 2019/054144
(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)FG INNOVATION COMPANY LIMITED**

(72)Name of Inventor :

**1)NAKASHIMA, Daiichiroh**

**2)YOSHIMURA, Tomoki**

**3)SUZUKI, Shouichi**

**4)LIU, Liqing**

**5)LEE, Taewoo**

**6)OHUCHI, Wataru**

---

(57) Abstract :

The present invention is provided with: a wireless resource control layer processing unit (16) which sets, on the basis of RRC signaling, the quantity of PDCCH candidates to be formed in an individual control resource set; a reception unit (10) which monitors the plurality of PDCCH candidates in the individual control resource set; and a decoding unit for decoding the PDCCH candidates. A first quantity of PDCCH candidates are monitored in the individual control resource set in a time segment in which a common control resource set is not formed, a second quantity of PDCCH candidates are monitored in the individual control resource set in a time segment in which the common control resource set is formed, a third quantity of PDCCH candidates are monitored in the common control resource set, and the sum of the second quantity and the third quantity is equal to the first quantity.

No. of Pages : 41 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202047014115 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : BASE STATION DEVICE, TERMINAL DEVICE, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT

(51) International classification	:H04W 52/06,H04L 27/26,H04W 24/10,H04W 72/12	(71) <b>Name of Applicant :</b> <b>1)SHARP KABUSHIKI KAISHA</b> Address of Applicant :1, Takumi-cho, Sakai-ku, Sakai City, Osaka 5908522 Japan <b>2)FG INNOVATION COMPANY LIMITED</b>
(31) Priority Document No	:2017-172865	(72) <b>Name of Inventor :</b>
(32) Priority Date	:08/09/2017	<b>1)YOKOMAKURA, Kazunari</b>
(33) Name of priority country	:Japan	<b>2)YAMADA, Shohei</b>
(86) International Application No	:PCT/JP2018/033248	<b>3)TSUBOI, Hidekazu</b>
Filing Date	:07/09/2018	<b>4)TAKAHASHI, Hiroki</b>
(87) International Publication No	:WO 2019/049999	
(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 is equipped with: a receiving unit for receiving first information, which includes information for setting whether or not transform precoding is enabled for a physical uplink shared channel; and a transmission unit for transmitting information which expresses a first power headroom level for a physical uplink shared channel for which the transform precoding has been enabled, and information expressing a second power headroom level for a physical uplink shared channel for which the transform precoding has not been enabled.

No. of Pages : 38 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014162 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : METHOD FOR PREPARING BENZOIC ACID ESTERS

(51) International classification	:C07C 67/08,C07C 67/54,C07C 67/60,C07C 69/78
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/RU2017/000692 :21/09/2017
(87) International Publication No	:WO 2019/059801
(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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Block 1, No 6 Tobolsk, Tyumen Region, 626150 Russia

(72)Name of Inventor :

**1)NOSIKOV, Aleksei Aleksandrovich**

**2)BABIN, Ivan Anatolievich**

**3)POPOVTSEV, Egor Evgenievich**

**4)IGASHEVA, Varvara Petrovna**

(57) Abstract :

The invention relates to the method of preparing benzoic acid esters which provides high selectivity of the process, and high yield of the desired product, as well as the reduction of the duration of the esterification process, comprising esterification of benzoic acid with monohydric alcohols having a number of carbon atoms from 6 to 12, or polyhydric alcohols having a number of carbon atoms from 2 to 10, in the presence of metal containing catalyst in the media of aromatic solvent at the stepwise buildup of the temperature of the process to 180-200°C, further to 200-220°C, and then to 240-250°C.

No. of Pages : 22 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014170 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : NON-ORIENTED ELECTRICAL STEEL SHEET WITH EXCELLENT MAGNETISM AND MANUFACTURING METHOD THEREFOR

(51) International classification	:C22C 38/02,C21D 8/02
(31) Priority Document No	:201711241774.3
(32) Priority Date	:30/11/2017
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2018/095237 :11/07/2018
(87) International Publication No	:WO 2019/105041
(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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Shanghai 201900 China

(72)**Name of Inventor :**

**1)ZHANG, Feng**

**2)LV, Xuejun**

**3)WANG, Bo**

**4)LIU, Baojun**

**5)ZONG, Zhenyu**

**6)SHEN, Kanyi**

**7)SUN, Yezhong**

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(57) Abstract :

Disclosed are a non-oriented electrical steel sheet with excellent magnetism and a manufacturing method therefor, wherein the mass percentage of the chemical components thereof are: C: 0-0.05%; Si: 2.1-3.2%, Mn: 0.2-1.0%, P: 0-0.2%, Al: 0.2-1.6%, N: 0-0.005%, Ti: 0-0.005%, Cu: 0-0.2%, and the balance of Fe and inevitable impurities; and at the same time, (the S content for forming MnS + the S content for forming Cu xS) / the S content in the steel is required to be less than or equal to 0.2. The process for manufacturing the non-oriented electrical steel sheet of the present invention is simple and convenient, the chemical components of the steel are easy to control, the manufacturing process is stable, and the technical requirements are easy to realize.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014191 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : UNMANNED AERIAL VEHICLE ACCESS METHOD AND DEVICE

(51) International classification	:G08G 5/00,G05D 1/10	(71) <b>Name of Applicant :</b> <b>1)BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.</b> Address of Applicant :Room 01, Floor 9, Rainbow City Shopping Mall of China Resources, NO. 68, Qinghe Middle Street, Haidian District Beijing 100085 China
(31) Priority Document No	:	
(32) Priority Date	:01/04/2020	
(33) Name of priority country	:Argentina	
(86) International Application No	:PCT/CN2017/100731	
Filing Date	:06/09/2017	
(87) International Publication No	:WO/2019/047066	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An unmanned aerial vehicle access method and device, used for an MME. Said method comprises: receiving an access request message sent by an unmanned aerial vehicle; verifying, according to the access request message, the identity of a user using the unmanned aerial vehicle and the device identity of the unmanned aerial vehicle, to obtain a verification result; if the verification result shows that the verification succeeds, granting the access of the unmanned aerial vehicle and sending to the unmanned aerial vehicle a first access response message for indicating the acceptance of access; and if the verification result shows that the verification fails, denying the access of the unmanned aerial vehicle and sending to the unmanned aerial vehicle a second access response message for indicating the denial of access. Thus, the present invention can prevent an unmanned aerial vehicle which has not been successfully verified from accessing a cellular network, thereby reducing interference to the cellular network, improving the reliability of unmanned aerial vehicle access, helping to provide a customized service to an unmanned aerial vehicle which has been successfully verified, and improving the working efficiency of the unmanned aerial vehicle.



No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014192 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : IMPLEMENTATION METHOD, DEVICE, USER EQUIPMENT, AND BASE STATION FOR DISCONTINUOUS RECEPTION

(51) International classification	:H04W 52/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:	<b>1)BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.</b>
(32) Priority Date	:29/03/2020	Address of Applicant :Room 01, Floor 9, Rainbow City
(33) Name of priority country	:China	Shopping Mall of China Resources, NO. 68, Qinghe Middle
(86) International Application No	:PCT/CN2017/100736	Street, Haidian District Beijing 100085 China
Filing Date	:06/09/2017	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2019/047067	<b>1)ZHU, Yajun</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to an implementation method, device, user equipment, and base station for discontinuous reception. The implementation method for discontinuous reception comprises: when a user equipment unit switches from a sleep period to an enabled period in an idle mode, receiving listening instruction information sent by a base station; and if, on the basis of the listening instruction information, it is determined that it is not necessary to continue listening for control information for the enabled period, then controlling the user equipment unit to switch from the enabled period to the sleep period. The technical solution in the present disclosure enables, when a UE unit switches from a sleep period to an enabled period in idle mode, determination of whether further listening for control information is necessary for the enabled period based on the listening instruction information sent by the base station, and controls the UE unit to switch from the enabled period to a sleep period when further listening for control information is determined to be unnecessary, thus preventing detection of invalid control information.



No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202047014193 A

(19) INDIA

(22) Date of filing of Application :31/03/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : CELL RESELECTION METHOD AND DEVICE

(51) International classification	:H04W 36/00
(31) Priority Document No	:
(32) Priority Date	:23/03/2020
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2017/100527
Filing Date	:05/09/2017
(87) International Publication No	:WO 2019/047016
(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)BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.**

Address of Applicant :Room 01, Floor 9, Rainbow City Shopping Mall of China Resources, No. 68, Qinghe Middle Street, Haidian District Beijing 100085 China

(72)Name of Inventor :

**1)HONG, Wei**

(57) Abstract :

The present disclosure provides a cell reselection method and device. Said method comprises: configuring an unmanned aerial vehicle with a measurement parameter adjustment rule for cell reselection, the measurement parameter adjustment rule comprising at least one unmanned aerial vehicle altitude level, each unmanned aerial vehicle altitude level corresponding to at least one altitude adjustment parameter; and sending the measurement parameter adjustment rule to the unmanned aerial vehicle, such that the unmanned aerial vehicle determines, according to the measurement parameter adjustment rule, an altitude adjustment parameter corresponding to the current altitude of the unmanned aerial vehicle, adjusts a corresponding measurement parameter for cell reselection according to the corresponding altitude adjustment parameter, and performs cell reselection using the adjusted measurement parameter. Thus, the present disclosure can dynamically adjust a measurement parameter for cell reselection according to an altitude change during the flight of an unmanned aerial vehicle, thereby avoiding power consumption caused by frequent cell reselections performed by the unmanned aerial vehicle, improving the stability of cell reselection.



No. of Pages : 21 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014212 A

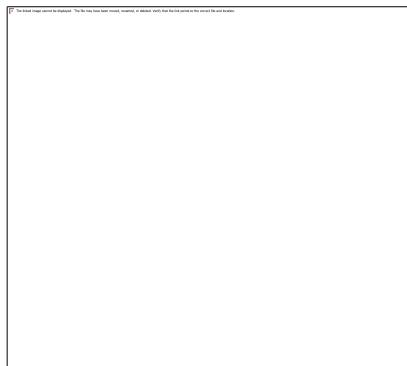
(43) Publication Date : 15/05/2020

(54) Title of the invention : BIOCOPATIBLE POLYMER POWDERS FOR ADDITIVE MANUFACTURING

(51) International classification	:C08G 63/08,B29C 64/153,C08L 67/04,A61K 47/34	(71) <b>Name of Applicant :</b> <b>1)EVONIK OPERATIONS GMBH</b> Address of Applicant :Rellinghauser Strae 1-11 45128 Essen Germany
(31) Priority Document No	:62/553883	(72) <b>Name of Inventor :</b>
(32) Priority Date	:03/09/2017	<b>1)GENTSCH, Rafael</b>
(33) Name of priority country	:U.S.A.	<b>2)NIKOUKAR, Mohammad</b>
(86) International Application No Filing Date	:PCT/EP2018/073424 :31/08/2018	<b>3)ACREMAN, Kevin</b>
(87) International Publication No	:WO 2019/043137	<b>4)SHAH, Milin</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)TICE, Tom</b>
(62) Divisional to Application Number Filing Date	:NA :NA	<b>6)PATEL, Harsh</b>
		<b>7)KARAU, Andreas</b>
		<b>8)LIZIO, Rosario</b>

(57) Abstract :

The present invention is directed to biocompatible polymeric powders to be used for 3D printing applications. More specifically, the 3D printing process will allow a tool less manufacturing of medical devices in particular in the implantables or regenerative space. Its flow and other processing characteristics qualifies them for the use in selective laser sintering, but also could be suitable for other powder based 3D printing technologies.



No. of Pages : 32 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014231 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : BORDETELLA STRAINS EXPRESSING SEROTYPE 3 FIMBRIAЕ

(51) International classification	:A61K 39/10,A61K 39/00	(71) <b>Name of Applicant :</b> <b>1)INSTITUT PASTEUR DE LILLE</b> Address of Applicant :1 rue du Professeur A. Calmette BP 245 59019 Lille Cedex France
(31) Priority Document No	:62/574,068	<b>2)INSTITUT NATIONAL DE LA SANT% ET DE LA RECHERCHE M%DICALE (INSERM)</b>
(32) Priority Date	:18/10/2017	
(33) Name of priority country	:U.S.A.	<b>(72)Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/078522	<b>1)DEBRIE, Anne-Sophie</b>
Filing Date	:18/10/2018	<b>2)RAZE, Dominique</b>
(87) International Publication No	:WO 2019/077028	<b>3)LOCHT, Camille</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A Fim3-producing BPZE1 derivative with sufficiently stable fim3 expression to provide improved protection in mice against Fim3-only producing clinical *B. pertussis* isolates was developed. The fim3 expression in BPZE1f3 did not alter the protective efficacy against Fim2+ strains, nor against strains that produce neither Fim2 nor Fim3.

No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014243 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : HALFTONE IMAGE CREATION

(51) International classification	:H04N 1/405
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2018/015510
Filing Date	:26/01/2018
(87) International Publication No	:WO 2019/147267
(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)HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.**

Address of Applicant :10300 Energy Drive Spring, Texas 77389 U.S.A.

(72)Name of Inventor :

**1)BENGTON, Kurt Robert  
2)HUANG, Wan-Eih  
3)LIU, Tongyang  
4)ALLEBACH, Jan P.**

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(57) Abstract :

Example implementations relate to halftone image creation. An example non-transitory machine-readable medium can include instructions executable to determine a highlight core shape and a shadow core shape of a microcell within a supercell. The instructions can be executable to determine growth sequences for a plurality of pixels within the highlight core and the shadow core and between the microcell and other microcells within the supercell, divide each of the plurality of pixels into a plurality of subpixels, and create a halftone image for an unequal resolution printing device using a constrained direct binary search model and based on the highlight core shape, shadow core shape, growth sequences, and the plurality of subpixels. [FIG. 8]

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014260 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : VIRTUAL RESOURCE BLOCK TO PHYSICAL RESOURCE BLOCK MAPPING IN NEW RADIO

(51) International classification	:H04W 72/04,H04L 1/00,H04L 5/00
(31) Priority Document No	:62/584501
(32) Priority Date	:10/11/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/060131
Filing Date	:09/11/2018
(87) International Publication No	:WO 2019/094796
(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**

Address of Applicant :ATTN: International IP Administration  
5775 Morehouse Drive San Diego, California 92121-1714 U.S.A.

**(72)Name of Inventor :**

**1)NAM, Wooseok**

**2)LUO, Tao**

**3)SUN, Jing**

**4)MANOLAKOS, Alexandros**

**5)CHEN, Wanshi**

**6)LEE, Heechoon**

**7)MONTOJO, Juan**

**8)GAAL, Peter**

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**(57) Abstract :**

Certain aspects of the present disclosure relate to methods and apparatus mapping virtual resource blocks (VRBs) to physical resource blocks (PRBs) and using the mapping in wireless communications, for example, in new radio (NR) technologies. An exemplary method includes determining a first interleaved mapping that maps a first interleaving unit of N consecutive first virtual resource blocks (VRBs) to N consecutive first physical resource blocks (PRBs), wherein each first PRB comprises a set of frequency resources during a period, transmitting a first grant allocating the first interleaving unit of first VRBs to a first user equipment (UE), and communicating with the first UE via the first PRBs mapped to the first VRBs of the first interleaving unit.

No. of Pages : 36 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014267 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A METHOD FOR MANUFACTURING A NANOPARTICLE MATERIAL AND A FLUORIDE ION BATTERY

(51) International classification	:H01M 4/58,H01M 4/62,H01M 10/0562,C01F 11/22	(71) <b>Name of Applicant :</b> <b>1)AMBERCON TECHNOLOGY (UK) LIMITED</b> Address of Applicant :Unit A, Woodland Court Truro Business Park Threemilestone, Truro, Comwall TR4 9NH U.K.
(31) Priority Document No	:P201700032	(72) <b>Name of Inventor :</b>
(32) Priority Date	:01/09/2017	<b>1)WITTER, Raiker</b>
(33) Name of priority country	:Estonia	<b>2)MOHAMMAD, Irshad</b>
(86) International Application No Filing Date	:PCT/EE2018/000002 :31/08/2018	<b>3)MOLAIYAN, Palanivel</b>
(87) International Publication No	:WO 2019/042518	<b>4)KUMAR, Suresh</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides a method for manufacturing a nanoparticle material having an ionic conductivity as a battery material for Fluoride ion Batteries, thus, being capable for overcoming high resistances at the surfaces, grain-boundaries of nanoparticles or compartments of the nanoparticles by a material treatment selected from: (i) a ball-mill procedure under aerosol and/or vapour-pressure atmosphere, (ii) excess-synthesis, (iii) ball-milling with surface stabilizing and conductivity enhancing solid or/and gel/liquid additives or (iv) functionalizing the material to obtain functionalized nanoparticles (GSNP) comprising a dispersion of graphene, nanotubes and/or a further additive selected from carbon-black, graphite, Si and/or CFX, Herein, fluorides (EmmFh), fluorides composites (Em1m1Em2m2...Fh1) are synthesised, wherein a first metal, metalloid or non-metal Em or Em1 and a second metal, metalloid or non-metal Em2 are dissimilarly selected from Cu, Pb, Fe, Sn, Zn, Bi, Cd, Co, Cr, Ni, Sb, C, Si, B, P, N, Ge, Ce, Se, Ca, Mg, Li, Na, K, Al, Sr, Ba, La, Sm, Eu, Cs, Gd or Y in a manner that a battery material having an increased ionic conductivity is obtained.

No. of Pages : 13 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014268 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ANTI-BACTERIAL PACKAGING

(51) International classification	:A23L 3/3571,A23B 4/22,A23B 7/155	(71) <b>Name of Applicant :</b> <b>1)FIXED PHAGE LIMITED</b> Address of Applicant :Sterling House 20, Renfield Street, Glasgow, Scotland G2 5AP U.K.
(31) Priority Document No	:17193898.8	
(32) Priority Date	:28/09/2017	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/076505	<b>1)CLARK, Jason Richard</b>
Filing Date	:28/09/2018	<b>2)MATTEY, Michael</b>
(87) International Publication No	:WO 2019/063810	
(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 relates to products and methods for the prevention and amelioration of bacterial contamination and degradation (spoiling) of biological material, particularly foodstuffs. In particular, the invention provides a product comprising an envelope of material defining a lumen wherein the lumen contains bacteriophage covalently attached to a surface.

No. of Pages : 36 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014289 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : CELL AGGREGATE INCLUDING RETINAL TISSUE AND PRODUCTION METHOD THEREFOR

(51) International classification	:C12N 5/079,A61K 35/30,A61L 27/38,A61L 27/40,A61P 27/02	(71) <b>Name of Applicant :</b> <b>1)RIKEN</b> Address of Applicant :2-1, Hirosawa, Wako-shi, Saitama 351-0198 Japan <b>2)SUMITOMO DAINIPPON PHARMA CO., LTD.</b>
(31) Priority Document No	:2017-173404	(72) <b>Name of Inventor :</b>
(32) Priority Date	:08/09/2017	<b>1)TAKAHASHI ,Masayo</b>
(33) Name of priority country	:Japan	<b>2)MANDAI ,Michiko</b>
(86) International Application No Filing Date	:PCT/JP2018/033299 :07/09/2018	<b>3)YAMASAKI, Suguru</b>
(87) International Publication No	:WO 2019/050015	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This spherical cell aggregate according to one embodiment of the present invention comprises a core section including a neural retina, and a cover section continuously or non-continuously covering at least a portion of the surface of the core section, and is characterized in that: (1) in the neural retina, a neural retina layer including at least a visual cell layer is formed, the visual cell layer includes at least one type of cells selected from the group consisting of visual cells, visual cell precursor cells, and retina precursor cells, and cells included in the visual cell layer are continuously present in a direction tangential to the surface of the core section; (2) the cover section includes retinal pigment epithelial cells that are in contact with each other; (3) the cell aggregate does not include the crystalline lens, the vitreous body, the cornea, or blood vessels; and (4) the retinal pigment epithelial cells and the neural retina layer do not together form a continuous epithelial structure.

No. of Pages : 64 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014292 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD AND DEVICE FOR CLEANING A POLYMER MELT

(51) International classification	:B29C 47/68,B29C 47/76,B29C 47/08	(71) <b>Name of Applicant :</b> <b>1)BB ENGINEERING GMBH</b> Address of Applicant :Leverkuser Str. 65, 42897 Remscheid Germany
(31) Priority Document No	:10 2017 008 320.7	
(32) Priority Date	:05/09/2017	
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/073561	<b>1)SCH,,FER, Klaus</b> <b>2)ALEXANDER, Jrg</b> <b>3)DICKMEISS, Friedel</b> <b>4)SCHMITZ, Matthias</b>
Filing Date	:03/09/2018	
(87) International Publication No	:WO 2019/048364	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method and a device for cleaning a polymer melt, which allow volatile foreign substances and solid foreign substances to be removed from said polymer melt, characterised by a filter element (4) and a vacuum of a vacuum chamber (2), the polymer melt being fed through the filter element into the vacuum of the vacuum chamber (2), said filter element (4) binding the solid foreign substances and the vacuum chamber (2) taking up the volatile foreign substances.

No. of Pages : 16 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202047014322 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : MEDICAL DEVICE

(51) International classification	:A61B 10/02,A61B 17/32	(71) <b>Name of Applicant :</b> <b>1)ACTIVE NEEDLE TECHNOLOGY LTD</b> Address of Applicant :D5 Culham Science Centre Abingdon Road Abingdon, Oxfordshire OX14 3DB U.K.
(31) Priority Document No	:1715002.0	
(32) Priority Date	:18/09/2017	
(33) Name of priority country	:U.K.	
(86) International Application No	:PCT/GB2018/052646	
Filing Date	:17/09/2018	
(87) International Publication No	:WO 2019/053469	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to device for use in a medical procedures, which overcomes the limitations of previous devices by requiring a reduced insertion force. The device includes an elongate member, such as a needle or cannula, having an integral hub which connects directly with an ultrasound transducer.

No. of Pages : 35 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014502 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : AUTOMATED CASH MACHINE AND METHOD FOR CONTROLLING SAME

(51) International classification	:G07D 9/00,G07D 1/00	(71) <b>Name of Applicant :</b> <b>1)HITACHI-OMRON TERMINAL SOLUTIONS, CORP.</b> Address of Applicant :6-3, Osaki 1-chome, Shinagawa-ku, Tokyo 1418576 Japan
(31) Priority Document No	:2017-253289	
(32) Priority Date	:28/12/2017	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2018/019090	<b>1)TSUCHIYA, Masaki</b>
Filing Date	:17/05/2018	<b>2)SUZUKI, Tadamichi</b>
(87) International Publication No	:WO 2019/130620	<b>3)FUJIKI, Tsubasa</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An objective of the present invention is to provide an automated cash machine and method for controlling the automated cash machine with which transaction efficiency and usability can be enhanced. The automated cash machine 1 is for dispensing cash according to a user operation. The automated cash machine 1 comprises: a control part 121; and an information I/O device 116 controlled by the control part and capable of being operated by the user. The control part 121 causes the information I/O device to display a paper currency quantity designation screen G including: paper currency quantity input parts B1 (1) - (3) for receiving an input of paper currency quantities for each of a plurality of prescribed denominations selected from among denominations other than the denomination of the smallest amount; and a total amount display part GP1 for displaying the total amount based the paper currency quantities for the prescribed denominations inputted via the paper currency quantity input parts. The control part 121 causes cash for the prescribed denominations to be dispensed in the paper currency quantities inputted into the paper currency quantity input parts.

No. of Pages : 32 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014504 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DEVICE AND METHOD OF STAINING AN ORGANIC MATERIAL ON A SLIDE

(51) International classification	:G01N 1/28,G01N 1/31	(71) <b>Name of Applicant :</b> <b>1)DIAGDEV</b> Address of Applicant :Immeuble Le Serena 182, rue de la Bandido 34160 CASTRIES France
(31) Priority Document No	:1759397	(72) <b>Name of Inventor :</b>
(32) Priority Date	:06/10/2017	<b>1)LE COMTE, Roger</b>
(33) Name of priority country	:France	<b>2)MORENO, Paul</b>
(86) International Application No	:PCT/FR2018/052480	
Filing Date	:08/10/2018	
(87) International Publication No	:WO 2019/069038	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a device (10) for staining an organic element on at least one slide (105), said slide defining an axis (110) contained within the plane of the slide, the device being characterized in that it comprises: - at least one slide support on which is disposed the slide holding the organic element; - at least one means (115) for spreading a staining fluid and/or a rinsing fluid on the slide, which means is paired with a means for relative displacement in translation in relation to the slide and along the axis of said slide, the spreading means having a linear element (120) extending along an axis perpendicular to the axis of the slide and supplied with spreading fluid, and - at least one suction means (115) for suctioning the staining fluid and/or a rinsing fluid, which means is paired with a means for relative displacement in translation in relation to the blade along the axis of said blade.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014523 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHODS AND APPARATUSES FOR VIDEO ENCODING AND VIDEO DECODING

(51) International classification	:H04N 19/52,H04N 19/567,H04N 19/70,H04N 19/147,H04N 19/176	(71) <b>Name of Applicant :</b> <b>1)INTERDIGITAL VC HOLDINGS, INC.</b> Address of Applicant :200 Bellevue Parkway, Suite 300 Wilmington, Delaware 19809 U.S.A.
(31) Priority Document No	:17306336.3	(72) <b>Name of Inventor :</b>
(32) Priority Date	:05/10/2017	<b>1)ROBERT, Antoine</b>
(33) Name of priority country	:EPO	<b>2)LELEANNEC, Fabrice</b>
(86) International Application No	:PCT/US2018/054318	<b>3)POIRIER, Tangi</b>
Filing Date	:04/10/2018	
(87) International Publication No	:WO 2019/070944	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Implementations are described for determining, for a block being encoded in a picture, at least one predictor candidate, determining for the at least one predictor candidate, one or more corresponding control point generator motion vectors, based on motion information associated to the at least one predictor candidate, determining for the block being encoded, one or more corresponding control point motion vectors, based on the one or more corresponding control point generator motion vectors determined for the at least one predictor candidate, determining, based on the one or more corresponding control point motion vectors determined for the block, a corresponding motion field, and encoding the block based on the corresponding motion field.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014525 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DEVELOPER CARRIER, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC APPARATUS

(51) International classification	:G03G 15/08,F16C 13/00,G03G 21/18,C08G 18/10	(71) <b>Name of Applicant :</b> <b>1)CANON KABUSHIKI KAISHA</b> Address of Applicant :30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 1468501 Japan
(31) Priority Document No	:2017-174414	(72) <b>Name of Inventor :</b>
(32) Priority Date	:11/09/2017	<b>1)ITO Minoru</b>
(33) Name of priority country	:Japan	<b>2)YAMAGUCHI Sosuke</b>
(86) International Application No Filing Date	:PCT/JP2018/033297 :07/09/2018	<b>3)KOYANAGI Takashi</b>
(87) International Publication No	:WO 2019/050013	<b>4)MIYAZAWA Takahiro</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)URUSHIHARA Shohei</b>
(62) Divisional to Application Number Filing Date	:NA :NA	<b>6)NAKAMURA Kentarou</b>

(57) Abstract :

Provided is a developer carrier which is capable of stably forming high-quality images even in cases where a recording paper containing much talc is used. This developer carrier comprises a conductive substrate and a surface layer that is arranged on the substrate and contains a resin. The surface layer has a thickness of from 1.0  $\mu\text{m}$  to 100.0  $\mu\text{m}$  (inclusive); the Martens hardness at an indentation depth of 0.1  $\mu\text{m}$  as determined by pressing a Vickers indenter into the surface layer from the outer surface in the thickness direction is from 50.0 N/mm<sup>2</sup> to 100.0 N/mm<sup>2</sup> (inclusive); the Asker C hardness as determined from the outer surface of the surface layer is from 75° to 90° (inclusive); and the value of the work function of the outer surface of the surface layer is from 5.6 eV to 6.0 eV (inclusive).

No. of Pages : 58 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014526 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : GLITCH-FREE WIDE SUPPLY RANGE TRANSCEIVER FOR INTEGRATED CIRCUITS

(51) International classification	:H03K 19/0185
(31) Priority Document No	:15/703800
(32) Priority Date	:13/09/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/050270
Filing Date	:10/09/2018
(87) International Publication No	:WO 2019/055350
(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)XILINX, INC.**

Address of Applicant :Attn: Legal Dept. 2100 Logic Drive San Jose, CA 95124 U.S.A.

(72)Name of Inventor :

**1)EKAMBARAM, Sabarathnam**

**2)AKURATHI, Vss Prasad, Babu**

**3)GOEL, Milind**

**4)DUBEY, Hari, Bilash**

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(57) Abstract :

An example receiver includes: a pad splitter circuit (304) coupled to a pad (302), the pad splitter circuit configured to generate a first logic signal (pad\_top) and a second logic signal (pad\_bot); a wide-range receiver (306) coupled to the pad splitter circuit to receive the first and second logic signals, the wide-range receiver comprising a combination of a first Schmitt trigger (306HV) receiver and a second Schmitt trigger receiver (306HV); a control circuit (312) coupled to the pad splitter circuit and the wide-range receiver; and a bias generator circuit (308) coupled to the pad splitter circuit and the wide-range receiver.

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202047014538 A

(19) INDIA

(22) Date of filing of Application :01/04/2020

(43) Publication Date : 15/05/2020

(54) Title of the invention : PACKING MATERIAL, METHOD FOR PRODUCING PACKING MATERIAL, READING DEVICE, STORED-ARTICLE MANAGEMENT SYSTEM, DISCONNECTION DETECTION DEVICE, UNSEALING DETECTION LABEL, AND UNSEALING DETECTION SYSTEM

(51) International classification	:B65D 65/38,B65D 77/20,G06K 19/07,G06K 19/077,A61J 7/00	(71) <b>Name of Applicant :</b> <b>1)TORAY INDUSTRIES, INC.</b> Address of Applicant :1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8666 Japan
(31) Priority Document No	:2017-194595	(72) <b>Name of Inventor :</b>
(32) Priority Date	:04/10/2017	<b>1)WAKITA, Junji</b>
(33) Name of priority country	:Japan	<b>2)MURASE, Seiichiro</b>
(86) International Application No Filing Date	:PCT/JP2018/035845 :27/09/2018	
(87) International Publication No	:WO 2019/069772	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A packing material according to one aspect of the present invention comprises a packing material main body that has a storage part for storing a stored article, a sheet that seals the storage part, a conducting wire formed in the sheet so as to pass through a sealed opening in the storage part, and a wireless communication device formed in the sheet so as to be connected to the conducting wire. The wireless communication device transmits a signal including information that differs before and after the conducting wire is disconnected together with the sheet in accompaniment with unsealing of the storage part. The information transmitted from the wireless communication device is read by a reading device. The packing material and reading device are used in a stored-article management system.

No. of Pages : 193 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014551 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : AGROCHEMICAL EMULSIFIABLE CONCENTRATE COMPOSITION

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(51) International classification	:A01N 25/04,A01N 43/90,A01P 7/02
(31) Priority Document No	:2017-209304
(32) Priority Date	:30/10/2017
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2018/038824
Filing Date	:18/10/2018
(87) International Publication No	:WO 2019/087796
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

1)NIPPON SODA CO., LTD.

Address of Applicant :2-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 1008165 Japan

(72)Name of Inventor :

1)MAEKAWA Takahiro

(57) Abstract :

Provided is an agrochemical emulsifiable concentrate composition comprising an agrochemical active ingredient such as acynonapyr, a nonpolar solvent, a polar solvent having a LogPow value of 1.6 or less and a nonionic surfactant having polyoxyethylene group, wherein the sum of the content of the agrochemical active ingredient and the content of the nonpolar solvent is 1.0-1.6 part by weight per part by weight of the sum of the content of the polar solvent having a LogPow value of 1.6 or less and the content of the nonionic surfactant having polyoxyethylene group, and any anionic surfactant is substantially not contained. The agrochemical emulsifiable concentrate composition according to the present invention can exhibit good emulsifiability even in the case of being diluted with water having high hardness.

No. of Pages : 34 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202047014552 A

(19) INDIA

(22) Date of filing of Application :01/04/2020

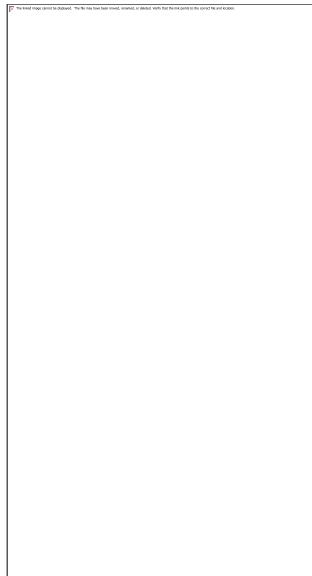
(43) Publication Date : 15/05/2020

(54) Title of the invention : SYSTEMS AND METHODS FOR ENHANCING ELECTRIC STORAGE

(51) International classification	:H01G 11/78,H01G 11/08,H01G 11/58	(71) <b>Name of Applicant :</b> <b>1)CLEARWATER HOLDINGS, LTD.</b> Address of Applicant :318 North Carson Street Suite 208 Carson City, NV 89701 U.S.A.
(31) Priority Document No	:62/556001	
(32) Priority Date	:08/09/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/048868	
Filing Date	:30/08/2018	
(87) International Publication No	:WO 2019/050772	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electrical energy storage device comprises a housing having a first end, a second end, a first side, and a second side; a first electrode disposed in the housing adjacent the first side; a second electrode disposed in the housing adjacent the second side; and an electrolyte mixture disposed between the first electrode and the second electrode, the electrolyte mixture containing a plurality of ions. In an implementation, a channel disposed in the housing permits ions to flow adjacent to the first end and a barrier in the housing prevents ions from flowing adjacent to the second end. In another implementation, some of the ions are magnetic. In a further implementation, some of the ions have a greater density than other ions. Charging of the electrical energy storage device is enhanced by applying a magnetic field to the electrical energy storage device or rotating the device.



No. of Pages : 27 No. of Claims : 89

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014557 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD FOR OPERATING A ROLLING TECHNOLOGY OR METALLURGICAL SYSTEM

(51) International classification	:F16C 33/10,B21B 27/10	(71) <b>Name of Applicant :</b> <b>1)SMS GROUP GMBH</b> Address of Applicant :Eduard-Schloemann-Str. 4 40237 Düsseldorf Germany
(31) Priority Document No	:10 2017 215 713.5	
(32) Priority Date	:06/09/2017	
(33) Name of priority country	:Germany	
(86) International Application No	:PCT/EP2018/073708	
Filing Date	:04/09/2018	
(87) International Publication No	:WO 2019/048417	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for operating a rolling technology or metallurgical system, wherein the rolling technology or metallurgical system comprises a device, in which a rotating component is mounted with at least one sliding bearing, wherein the sliding bearing is supplied with a lubricant. In order to permit an improved operation with the use of said sliding bearing, in particular in rolling mills, according to the invention, a water-based single-phase fluid is used as a lubricant for the sliding bearing, to which at least one viscosity-increasing additive is added.

No. of Pages : 5 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014558 A

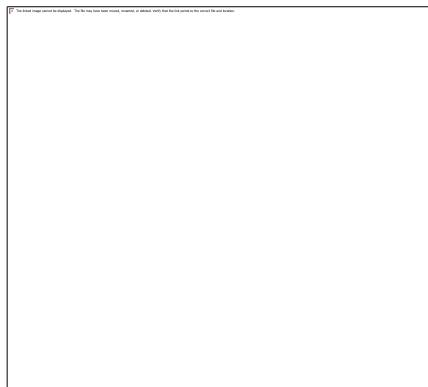
(43) Publication Date : 15/05/2020

(54) Title of the invention : DIFFRACTION GRATING FOR X-RAY PHASE CONTRAST AND/OR DARK-FIELD IMAGING

(51) International classification	:G01N 23/20,A61B 6/00,G01J 3/18,G01N 23/04,G01N 23/20008	(71)Name of Applicant : <b>1)KONINKLIJKE PHILIPS N.V.</b> Address of Applicant :High Tech Campus 5 5656 AE Eindhoven Netherlands
(31) Priority Document No	:17189540.2	(72)Name of Inventor : <b>1)KOEHLER, Thomas</b>
(32) Priority Date	:06/09/2017	
(33) Name of priority country	:EPO	
(86) International Application No	:PCT/EP2018/072833	
Filing Date	:24/08/2018	
(87) International Publication No	:WO 2019/048252	
(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 relates to a grating for X-ray phase contrast and/or dark-field imaging. It is described to form a photo-resist layer on a surface of a substrate. The photo-resist layer is illuminated with radiation using a mask representing a desired grating structure. The photo-resist layer is etched to remove parts of the photo-resist layer, to leave a plurality of trenches that are laterally spaced from one across the surface of the substrate. A plurality of material layers are formed on the surface of the substrate. Each layer is formed in a trench. A material layer comprises a plurality of materials, wherein the plurality of materials are formed one on top of the other in a direction perpendicular to the surface of the substrate. The plurality of materials comprises at least one material that has a k-edge absorption energy that is higher than the k-edge absorption energy of Gold and the plurality of materials comprises Gold.



No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202047014559 A

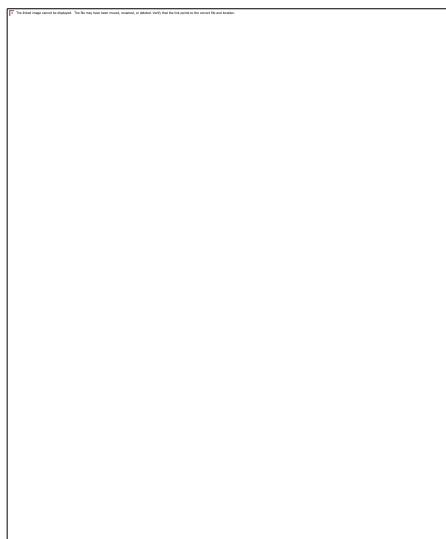
(43) Publication Date : 15/05/2020

(54) Title of the invention : GRAPHICS-SAFE HDR IMAGE LUMINANCE RE-GRADING

(51) International classification	:H04N 21/434,H04N 21/435,H04N 21/84	(71) <b>Name of Applicant :</b> <b>1)KONINKLIJKE PHILIPS N.V.</b> Address of Applicant :High Tech Campus 5 5656 AE Eindhoven Netherlands
(31) Priority Document No	:17189493.4	
(32) Priority Date	:05/09/2017	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/073715	<b>1)VAN DE KERKHOF, Leon, Maria</b>
Filing Date	:04/09/2018	<b>2)DE HAAN, Wiebe</b>
(87) International Publication No	:WO 2019/048420	<b>3)TALSTRA, Johan, Cornelis</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To allow pragmatic insertion of secondary images by an apparatus connected to the final display we invented an image processing apparatus (301, 501) with an output image connection (506) for connection to a display (550), and an input (510) for receiving an input image (IM) and metadata specifying at least one luminance mapping function (F\_Lt ), which luminance mapping function specifies the relationship between luminances in the input image and a second image with an at least 6 times higher or lower maximum luminance, and comprising a graphics generation unit (502) arranged to determine a secondary image (IMG), and an image composition unit (504) arranged to compose an output image (IMC) on the basis of the pixel colors of the input image and of the secondary image, characterized in that the image processing apparatus comprises a luminance function selection unit (505), which is arranged to output to a metadata output (507) a copy of the at least one luminance mapping function ( F\_Lt ) in case no secondary image colors are mixed with the input image, and which is arranged to output a predetermined mapping function (F3) in case the output image is not identical to the input image because some pixel colors of the secondary image have been used to change the input image colors.



No. of Pages : 35 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014647 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD FOR DIAGNOSING PANCREATIC CANCER USING METHIONYL-TRNA SYNTHETASE, AND PANCREATIC CANCER DIAGNOSTIC KIT USING SAME

(51) International classification	:G01N 33/574,G01N 33/573,G01N 33/483,G01N 1/30	(71) <b>Name of Applicant :</b> <b>1)ONCOTAG DIAGNOSTICS CO., LTD.</b> Address of Applicant :(Advanced Institutes of Convergence Technology, lui-dong) 9th Fl., B-dong 145 Gwanggyo-ro, Yeongtong-gu Suwon-si Gyeonggi-do 16229 Republic of Korea
(31) Priority Document No	:10-2017-0113255	
(32) Priority Date	:05/09/2017	
(33) Name of priority country	:Republic of Korea	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/KR2018/010369 :05/09/2018	<b>1)KIM, Sunghoon</b> <b>2)KWON, Nam Hoon</b> <b>3)LEE, Dong Ki</b> <b>4)LIM, Beom Jin</b> <b>5)JANG, Sung Ill</b>
(87) International Publication No	:WO 2019/050275	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a method for diagnosing pancreatic cancer using methionyl-tRNA synthetase (MRS). When used as a pancreatic cancer marker, MRS has a significantly higher level of diagnostic accuracy than conventional pancreatic cancer markers such as CEA; thus, analyzing the expression status of methionyl-tRNA synthetase (MRS) in pancreatic cells has the effect of clearly determining the presence or absence of pancreatic cancer, and said effect is likewise exhibited even in the cells that have been determined to be atypical cells by a general staining technique, and thus can be very useful in the diagnosis of pancreatic cancer.

No. of Pages : 97 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014660 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : TRANSDUCER FOR ULTRASONIC SCALPEL

(51) International classification	:A61B 17/32,B06B 1/06	(71) <b>Name of Applicant :</b> <b>1)INNOLCON MEDICAL TECHNOLOGY (SUZHOU) CO</b> Address of Applicant :B2-409, No.218 Xinghu Street, Suzhou Industrial Park Suzhou, Jiangsu 215000 China
(31) Priority Document No	:201710979896.6	
(32) Priority Date	:19/10/2017	
(33) Name of priority country	:China	
(86) International Application No	:PCT/CN2018/093988	
Filing Date	:02/07/2018	
(87) International Publication No	:WO 2019/076085	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A transducer for an ultrasonic scalpel, comprising a first connecting piece (35), a fixing piece, a horn (31), a piezoelectric transduction body (32), a rear backing ring (33), and a second connecting piece (34) which are sequentially connected from far to near. The transducer forms a regular pattern by means of parameter change between the horn (31) and the piezoelectric transduction body (32) in the transducer, so that the transducer has good stability and good gain performance.

No. of Pages : 9 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014674 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : ELECTRIC MOTORCYCLE

(51) International classification	:B62K 25/20,B62J 11/00,B62J 99/00,B62M 7/02	(71) <b>Name of Applicant :</b> <b>1)HONDA MOTOR CO., LTD.</b> Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556 Japan
(31) Priority Document No	:2017-173972	(72) <b>Name of Inventor :</b>
(32) Priority Date	:11/09/2017	<b>1)FUTAMATA, Takeshi</b>
(33) Name of priority country	:Japan	<b>2)YANAGITA, Kiyoshi</b>
(86) International Application No Filing Date	:PCT/JP2018/023241 :19/06/2018	<b>3)NOTSU, Kunihiro</b>
(87) International Publication No	:WO 2019/049462	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The purpose of the present invention is to provide an electric motorcycle wherein drive power is transmitted to a wheel via an efficient connection that takes into account the overall layout from the placement of the battery and motor to that of the drive system. An electric motorcycle has a battery 60 disposed rearward of a handlebar 15 and forward of a seat 14. A drive motor 11 is positioned below the seat 14 and a lower portion 53 of a swing arm 13 is supported by mounting portions 21a, 21a disposed on pivot plates 21, 21, the swing arm 13 supporting a drive shaft 43 for transmitting the power from the drive motor 11 to a wheel 3.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014678 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : WIRELESS COMMUNICATION DEVICE, DIAPER, AND MOISTURE DETECTING SYSTEM

(51) International classification	:G01N 27/00,A61F 5/44,A61F 13/42,G01N 27/22,H01L 51/00	(71) <b>Name of Applicant :</b> <b>1)TORAY INDUSTRIES, INC.</b> Address of Applicant :1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 1038666 Japan
(31) Priority Document No	:2017-173692	(72) <b>Name of Inventor :</b>
(32) Priority Date	:11/09/2017	<b>1)KAWAI, Shota</b>
(33) Name of priority country	:Japan	<b>2)KARIYA, Yoshihiro</b>
(86) International Application No Filing Date	:PCT/JP2018/032025 :29/08/2018	<b>3)WAKITA, Junji</b>
(87) International Publication No	:WO 2019/049758	<b>4)MURASE, Seiichiro</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This wireless communication device is provided with a circuit unit and an antenna which is connected to the circuit unit and which exchanges signals with a transmitting and receiving device in a non-contact manner. The wireless communication device transmits different signals to the transmitting and receiving device depending on whether or not at least part of the circuit unit is in contact with moisture.

No. of Pages : 43 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014689 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD FOR POLYMERISATION WITH EXTERNAL COOLING

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(51) International classification	:C08F 2/00,B01J 19/00,F28D 7/06,F28D 7/16,F28F 9/013	(71) <b>Name of Applicant :</b> <b>1)WACKER CHEMIE AG</b> Address of Applicant :Hanns-Seidel-Platz 4 81737 München Germany
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)ECKL, Bernhard</b>
(33) Name of priority country	:NA	<b>2)KAISER, Wilhelm</b>
(86) International Application No Filing Date	:PCT/EP2017/075161 :04/10/2017	
(87) International Publication No	:WO 2019/068318	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for producing polymers in the form of aqueous polymer dispersions thereof by means of radically initiated polymerisation in a polymerisation reactor which is equipped with an external cooling circuit with a pump and with at least one heat exchanger, characterised in that a tube bundle heat exchanger is installed as heat exchanger and is operated such that the coolant is guided through the tubes of the tube bundle and the polymerisation mixture to be cooled is guided from outside to the tubes of the tube bundle.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014690 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : ANOMALY ASSESSMENT DEVICE, ANOMALY ASSESSMENT METHOD, AND ANOMALY ASSESSMENT SYSTEM

(51) International classification	:G01R 31/34,H02H 7/08,H02P 29/024	(71) <b>Name of Applicant :</b> <b>1)MITSUBISHI ELECTRIC CORPORATION</b> Address of Applicant :7-3, Marunouchi 2-chome, Chiyodaku, Tokyo 100-8310 Japan
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:PCT/JP2017/038379 :24/10/2017	(72) <b>Name of Inventor :</b> <b>1)KANEMARU, Makoto</b> <b>2)OHKUBO, Takuya</b> <b>3)SANO, Sota</b> <b>4)SATAKE, Akira</b> <b>5)TERASHIMA, Satoru</b>
(87) International Publication No	:WO 2019/082277	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The purpose of the present invention is to provide an anomaly assessment device, an anomaly assessment method, and an anomaly assessment system that are capable of assessing whether there is an anomaly even in an electric motor driven by a power conversion device. The anomaly assessment device is provided with: a data acquisition unit that acquires the drive frequency and the electric current waveform of the electric motor; an operation pattern storage unit that stores a combination of the drive frequency and the electric current value of the electric current waveform, which are acquired at the same time by the data acquisition unit; a data determination unit that determines whether the drive frequency and the electric current value of the electric current waveform, which are acquired by the data acquisition unit at the same time in an object to be assessed, match the combination stored in the operation pattern storage unit; an analysis unit that extracts a side band by frequency-analyzing the electric current waveform determined to match the combination by the data determination unit, and calculates the spectral intensity of the side band; and an anomaly assessment unit that assesses that an anomaly is present when the spectral intensity of the side band is equal to or higher than a threshold value.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014691 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : TOPICAL COMPOSITIONS

(51) International classification	:A61K 31/138,A61K 9/00	(71) <b>Name of Applicant :</b> <b>1)ATOSSA THERAPEUTICS, INC.</b> Address of Applicant :107 Spring Street Seattle, WA 98104 U.S.A.
(31) Priority Document No	:62/556,920	
(32) Priority Date	:11/09/2017	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/US2018/050193	<b>1)QUAY, Steven, C.</b>
Filing Date	:10/09/2018	<b>2)KUSHWAHA, Avadhesh, S.</b>
(87) International Publication No	:WO 2019/051368	<b>3)KISAK, Edward, T.</b>
(61) Patent of Addition to Application Number	:NA	<b>4)NEWSAM, John, M.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure provides a novel topical composition comprising at least one active agent and method for making the composition. Certain compounds have been combined to make a stable composition comprising at least one active agent such as selective estrogen receptor modulators and aromatase inhibitors. The present disclosure also provides methods for treatment of hormone-dependent breast and hormone-dependent reproductive tract disorders.

No. of Pages : 105 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014692 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : TOPICAL COMPOSITIONS AND METHODS FOR TREATMENT

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(51) International classification	:A61K 9/06,A61K 9/08,A61K 31/138,A61K 47/06,A61K 47/08
(31) Priority Document No	:62/556,884
(32) Priority Date	:11/09/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/050197 :10/09/2018
(87) International Publication No	:WO 2019/051370
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(71)Name of Applicant :

1)ATOSSA THERAPEUTICS, INC.

Address of Applicant :107 Spring Street, Seattle, WA 98104  
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(72)Name of Inventor :

1)QUAY, Steven, C.

2)KUSHWAHA, Avadhesh, S.

3)KISAK, Edward, T.

4)NEWSAM, John, M.

(57) Abstract :

The present disclosure provides novel topical compositions comprising endoxifen and salts and solvates thereof and methods for making the compositions. Certain compounds have been combined to make a stable topical compositions comprising endoxifen. The present disclosure also provides methods for treatment of hormone-dependent breast and hormone-dependent reproductive tract disorders.

No. of Pages : 109 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014693 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : CASTING DEVICE

(51) International classification	:B22D 17/22,B22C 9/06	(71) <b>Name of Applicant :</b> <b>1)HONDA MOTOR CO., LTD.</b> Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556 Japan
(31) Priority Document No	:2017-170839	(72) <b>Name of Inventor :</b>
(32) Priority Date	:06/09/2017	<b>1)TAKAHASHI, Toshihiro</b>
(33) Name of priority country	:Japan	<b>2)KATAHIRA, Kenichi</b>
(86) International Application No	:PCT/JP2018/032898	<b>3)KIKIMA, Yoshihiro</b>
Filing Date	:05/09/2018	
(87) International Publication No	:WO 2019/049898	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

For example, in a movable die body (70), a second cavity die (72) is provided on a die attachment surface (84) which faces a fixed die (12), and a first support member (76) and a second support member (78) are attached to a block attachment surface (86) opposite to the die attachment surface (84). The first support member (76) and the second support member (78) are formed of hollow bodies. In each of the hollow bodies, cavity die support parts (168a, 168b) and body support parts (170a, 170b) are provided. The cavity die support parts (168a, 168b) and the body support parts (170a, 170b) are at least partially separated.

No. of Pages : 27 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014694 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : MONORAIL TRAY CONVEYOR WITH PASSIVE GUIDE RAILS

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(51) International classification	:B65G 54/02
(31) Priority Document No	:62/558,055
(32) Priority Date	:13/09/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/048839
Filing Date	:30/08/2018
(87) International Publication No	:WO 2019/055227
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

1)LAITRAM, L.L.C.

Address of Applicant :Legal Department, 200 Laitram Lane, Harahan, Louisiana 70123 U.S.A.

(72)Name of Inventor :

1)GUERNSEY, Kevin W.

2)RAGAN, Bryant G.

(57) Abstract :

A tray conveyor with trays driven by a linear synchronous motor. The trays are supported on a pair of guide rails in a conveyor frame. The trays include a permanent-magnet array whose magnetic field interacts with a traveling electromagnetic wave produced by a linear-motor stator extending along the conveyor between the guide rails to propel the tray in a conveying direction.

No. of Pages : 7 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014695 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PHYTOSTATIC ANALYSIS DEVICE

(51) International classification	:G01H 1/00,G01N 33/00	(71) <b>Name of Applicant :</b> <b>1)PNAT S.R.L.</b> Address of Applicant :Via della Cernaia, 12, I-50129 Firenze Italy
(31) Priority Document No	:102017000110668	
(32) Priority Date	:03/10/2017	
(33) Name of priority country	:Italy	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IB2018/057631	<b>1)MANCUSO, Stefano</b>
Filing Date	:02/10/2018	
(87) International Publication No	:WO 2019/069219	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a phytostatic analysis device (1) comprising a detection apparatus (2, 3) for detecting vibrations on the tree (1a); anchoring means (4) for anchoring the detection apparatus (2, 3) to the tree (1a); a control board (5) for controlling: a sampling step wherein the detection apparatus (2, 3) measures the sampling vibrations acting on the tree (1a) and the sampling spectrum of the tree (1a) is determined as a function of the sampling vibrations; a monitoring step wherein the detection apparatus (2, 3) measures the current vibrations acting on the tree (1a) and a current spectrum of the tree (1a) is determined as a function of the current vibrations; and an assessment step wherein the phytostatic condition of the tree (1a) is determined by comparing the current spectrum with the sampling spectrum.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014699 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LIGHTING DEVICE

(51) International classification	:H05B 33/08
(31) Priority Document No	:17190286.9
(32) Priority Date	:11/09/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/074125
Filing Date	:07/09/2018
(87) International Publication No	:WO 2019/048605
(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)SIGNIFY HOLDING B.V.**

Address of Applicant :High Tech Campus 48, NL-5656 AE  
Eindhoven Netherlands

(72)Name of Inventor :

**1)VAN BOMMEL, Ties**

**2)HIKMET, Rifat, Ata, Mustafa**

(57) Abstract :

There is provided a lighting device (1) comprising a lighting unit (2) configured to emit light and a control unit (3) configured to control the light emitted by the lighting unit (2), wherein the control unit (3) is configured to change the intensity of the light emitted by the lighting unit (2) at least from a high setting (8) via a mid setting (7) to a low setting (6) and/or vice versa, wherein the intensity of the high setting is greater than the 5 intensity of the mid setting, wherein the intensity of the mid setting is greater than the intensity of the low setting, and wherein the low setting (6) and the high setting (8) each gives a higher color temperature of the light emitted by the lighting unit (2) than the mid setting (7).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014700 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DETECTING CODED LIGHT WITH ROLLING-SHUTTER CAMERAS

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(51) International classification	:H04B 10/116,H04N 5/235,H04N 5/247
(31) Priority Document No	:17190417.0
(32) Priority Date	:11/09/2017
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2018/073826
Filing Date	:05/09/2018
(87) International Publication No	:WO 2019/048457
(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)SIGNIFY HOLDING B.V.**

Address of Applicant :High Tech Campus 48, NL-5656 AE  
Eindhoven Netherlands

(72)Name of Inventor :

**1)BROERS, Harry**

**2)NIJSSEN, Stephanus, Joseph, Johannes**

(57) Abstract :

A method, program and apparatus for detecting a repeating coded light message embedded in light emitted by a light source, based on images captured from rolling- shutter cameras which capture their frame areas line-but-line. Images of the light source are captured simultaneously using a plurality of different rolling-shutter cameras having different acquisition regimes in order to improve the robustness and/or speed of coded light detection. The different acquisition regimes may comprise different frame rates, different physical orientations, or different line-readout directions.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014701 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LIGHTING DEVICE AND A METHOD OF MANUFACTURING A LIGHTING DEVICE

(51) International classification	:F21S 4/24,F21Y 103/10,F21Y 115/10,F21Y 107/50,F21Y 107/70	(71) <b>Name of Applicant :</b> <b>1)SIGNIFY HOLDING B.V.</b> Address of Applicant :High Tech Campus 48, NL-5656 AE Eindhoven Netherlands
(31) Priority Document No	:17191001.1	(72) <b>Name of Inventor :</b>
(32) Priority Date	:14/09/2017	<b>1)VAN BOMMEL, Ties</b>
(33) Name of priority country	:EPO	<b>2)HIKMET, Rifat, Ata, Mustafa</b>
(86) International Application No Filing Date	:PCT/EP2018/074122 :07/09/2018	
(87) International Publication No	:WO 2019/052912	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A lighting device (1) is disclosed, comprising at least a first elongated carrier (2) and a second elongated carrier (3), each of the first elongated carrier (2) and the second elongated carrier being foldable (3). At least the first elongated carrier (2) and the second elongated carrier (3) have been folded over each other such that a plurality of sections (16) of the first elongated carrier (2) are interleaved with respect to a plurality of sections (17) of the second elongated carrier (3) so as to form an interleaved structure (10). The interleaved structure (1) may have been arranged such that a plurality of cavities (9) in the interleaved structure (10) are formed, each cavity (9) at least being constituted by a surface (12) of one of the sections (16) of the first elongated carrier (2) and a surface (13) of one of the sections (17) of the second elongated carrier (3), wherein the surfaces (12, 13) of the sections (16, 17) of the first elongated carrier (2) and the second elongated carrier (3), respectively, at least in part face each other.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014702 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LED STRIPS WITH COLLIMATED LIGHT EMISSION

(51) International classification	:F21S 4/24,F21V 7/04,H05K 1/18,F21V 31/04,F21Y 103/10	(71) <b>Name of Applicant :</b> <b>1)SIGNIFY HOLDING B.V.</b> Address of Applicant :High Tech Campus 48, NL-5656 AE Eindhoven Netherlands
(31) Priority Document No	:17190382.6	(72) <b>Name of Inventor :</b>
(32) Priority Date	:11/09/2017	<b>1)HIKMET, Rifat, Ata, Mustafa</b>
(33) Name of priority country	:EPO	<b>2)VAN BOMMEL, Ties</b>
(86) International Application No Filing Date	:PCT/EP2018/073428 :31/08/2018	
(87) International Publication No	:WO 2019/048345	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to an LED strip, comprising a plurality of LEDs mounted on a LED mounting surface of a flat, flexible substrate, wherein said LED mounting surface is light reflective, wherein said flexible substrate is shaped to form at least one conical structure, and wherein a subset of said plurality of LEDs is located inside at least one of the at least one conical structure.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014703 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SYSTEM AND METHOD FOR DYNAMIC LIGHTING USING A NARROWBAND WIRELESS LIGHTING NETWORK

(51) International classification	:H04L 12/28,H05B 37/02	(71) <b>Name of Applicant :</b> <b>1)SIGNIFY HOLDING B.V.</b> Address of Applicant :High Tech Campus 48, NL-5656 AE Eindhoven Netherlands
(31) Priority Document No	:62/559,162	
(32) Priority Date	:15/09/2017	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/EP2018/073866 :05/09/2018	<b>1)YU, Jin</b> <b>2)WARWICK, John</b> <b>3)BRANDfO DE OLIVEIRA, Talmi</b>
(87) International Publication No	:WO 2019/052873	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A system (100) for dynamic lighting including: a plurality of lighting units (10) each having a light source (12), a unique identifier, and a communications module (24a); and a gateway (20) having a communications module (24b) configured to communicate via a low-bandwidth wireless communication method with the lighting units, and having a controller (26) configured to: (i) receive instructions for a dynamic lighting pattern for a first time period for the plurality of lighting units; (ii) generate sequential command files each comprising information for a sequential subset of the first time period, each of the plurality of sequential command files further comprising instructions for timing and color for each of the plurality of lighting units and associated with an identifier for a respective lighting unit; (iii) compress each of the plurality of sequential command files; and (iv) sequentially transmit the plurality of sequential command files to the lighting units.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014723 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : HEALTH CARE SYSTEM TO AID TRIAGE MANAGEMENT

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(51) International classification	:G06F 19/00,G16H 10/00,G16H 10/60
(31) Priority Document No	:62/567347
(32) Priority Date	:03/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2018/054129
Filing Date	:03/10/2018
(87) International Publication No	:WO 2019/070829
(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)INFINITE COMPUTER SOLUTIONS INC.**

Address of Applicant :15201 Diamondback Drive Rockville, MD 20850 U.S.A.

**2)INFINITE COMPUTER SOLUTIONS (INDIA) LIMITED**

(72)Name of Inventor :

**1)RAO, Sanjesh**

**2)PAI, Harish**

**3)MOHIDEEN MZ, Mohamed Madar**

(57) Abstract :

According to an aspect of the present disclosure, a healthcare system retrieves multiple parameters relating to a patient from different databases, the parameters including current and historical data relating to the patient. Upon receiving symptoms of a medical problem of the patient, the healthcare system determines based on the symptoms and the multiple retrieved parameters, recommendations to assist in the triage of the patient and provides the recommendations to a healthcare provider to assist in the triage of the patient. Accordingly, the healthcare system is configured to aid triage management by the healthcare system.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014724 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DATA AGGREGATION IN HEALTH CARE SYSTEMS

(51) International classification	:G06Q 50/00,G16H 10/00,G06F 21/60	(71) <b>Name of Applicant :</b> <b>1)INFINITE COMPUTER SOLUTIONS INC.</b> Address of Applicant :15201 Diamondback Drive Rockville, MD 20850 U.S.A. <b>2)INFINITE COMPUTER SOLUTIONS (INDIA)</b> <b>LIMITED</b>
(31) Priority Document No	:62/567342	
(32) Priority Date	:03/10/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/054125	
Filing Date	:03/10/2018	
(87) International Publication No	:WO 2019/070825	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)RAO, Sanjesh</b>
(62) Divisional to Application Number	:NA	<b>2)PAI, Harish</b>
Filing Date	:NA	<b>3)MOHIDEEN M Z, Mohamed, Madar</b>

(57) Abstract :

According to an aspect of the present disclosure, a healthcare system maintains mapping data specifying the Electronic Medical Record (EMR) systems at which EMRs linked to healthcare providers are stored, each EMR containing information related to a corresponding patient. Upon receiving a request from a healthcare provider to view information related to a patient, the mapping data is examined to identify a set of EMR systems that store a set of EMRs that are linked to the healthcare provider and contain information related to the patient. The healthcare system then provides access to the identified set of EMRs using a common user interface. Accordingly, the healthcare system facilitates data aggregation from multiple EMR systems.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014725 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : COLLABORATION VIA CHAT IN HEALTH CARE SYSTEMS

(51) International classification	:G16H 10/00,G06F 13/00	(71) <b>Name of Applicant :</b> <b>1)INFINITE COMPUTER SOLUTIONS INC.</b> Address of Applicant :15201 Diamondback Drive Rockville, MD 20850 U.S.A. <b>2)INFINITE COMPUTER SOLUTIONS (INDIA)</b> <b>LIMITED</b>
(31) Priority Document No	:62/567359	
(32) Priority Date	:03/10/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2018/054121	
Filing Date	:03/10/2018	
(87) International Publication No	:WO 2019/070822	
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)RAO, Sanjesh</b> <b>2)PAI, Harish</b> <b>3)MOHIDEEN M Z, Mohamed Madar</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to an aspect of the present disclosure, a healthcare system receives a request to initiate a chat in relation to a patient, identifies healthcare providers having responsibility for the patient, and provides a chat session with the identified healthcare providers as participants. Upon receiving a command (requesting information on the patient) during the chat session, the healthcare system retrieves an electronic medical record (EMR) of the patient and sends the EMR to the participants of the chat session. In one embodiment, the command does not specify the identifier of the patient in the chat session. In another embodiment, when an external EMR system maintains EMRs of the patient, the healthcare system retrieves the EMR of the patient from the EMR system without requiring the participant to manually authenticate after specifying the command. Accordingly, the healthcare system is configured to facilitate collaboration among healthcare providers.

No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014735 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : UNIFIED MERGE CANDIDATE LIST USAGE

(51) International classification	:H04N 19/52,H04N 19/70	(71) <b>Name of Applicant :</b> <b>1)QUALCOMM INCORPORATED</b> Address of Applicant :International IP Administration, 5775 Morehouse Drive, San Diego, California 92121-1714 U.S.A.
(31) Priority Document No	:62/586,117	
(32) Priority Date	:14/11/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2018/060912 :14/11/2018	
(87) International Publication No	:WO 2019/099444	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A video decoder including one or more processors configured to receive one or more bits, in a bitstream, that indicate the encoded current block of video data was encoded based on a unified candidate list that includes motion vector candidates based on one or more translational motion vectors, and motion vector candidates based on one or more affine motion vectors. A merge index represented in the bitstream may indicate which candidate in the unified candidate list is associated with the motion vector of the encoded current block of video data. Based on the merge index, the one or more processors are configured to select one or more motion vectors of a candidate from the unified candidate list, based on the merge index, where the candidate has one or more of the motion vectors corresponding to the translational motion vectors or affine motion vectors within the unified candidate list.

No. of Pages : 40 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014736 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : TECHNIQUES FOR INTERLEAVING IN SINGLE USER PREAMBLE PUNCTURING

(51) International classification	:H04L 1/00,H04L 5/00
(31) Priority Document No	:62/582,154
(32) Priority Date	:06/11/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/US2018/055568 :12/10/2018
(87) International Publication No	:WO 2019/089207
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

**(71)Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :ATTN: International IP Administration,  
5775 Morehouse Drive, San Diego, California 92121-1714 U.S.A.

**(72)Name of Inventor :**

**1)YANG, Lin**

**2)TIAN, Bin**

**3)CHEN, Jialing Li**

**4)VERMA, Lochan**

**5)VERMANI, Sameer**

**6)ZHANG, Ning**

**7)SHI, Kai**

**8)KIM, Youhan**

**9)JONES IV, Vincent Knowles**

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**(57) Abstract :**

Aspects of the present disclosure provide techniques for interleaving in single user (SU) preamble puncturing in wireless local area networks (WLANs). In one implementation, an access point (AP) can identify an SU preamble puncture transmission, encode information for the SU preamble puncture transmission to produce encoded bits, parse the encoded bits into multiple segments, parse the encoded bits among multiple resource units (RUs) within each of the multiple segments, and perform a tone interleaving of the encoded bits within each of the multiple RUs.

No. of Pages : 20 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014738 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : COMMUNICATION METHOD AND APPARATUS

(51) International classification	:H04W 72/12,H04W 74/08	(71) <b>Name of Applicant :</b> <b>1)HUAWEI TECHNOLOGIES CO., LTD.</b> Address of Applicant :Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129 China
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/CN2017/103178	(72) <b>Name of Inventor :</b>
Filing Date	:25/09/2017	<b>1)YANG, Kun</b>
(87) International Publication No	:WO 2019/056370	<b>2)WEN, Ronghui</b>
(61) Patent of Addition to Application Number	:NA	<b>3)YU, Feng</b>
Filing Date	:NA	<b>4)YU, Guangwei</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Described in the embodiments of the present invention are a communication method and apparatus, being used for solving the problem of large delay of downlink data caused by difficulties in preempting a downlink channel by a network device. In the method and apparatus, the network device sends first signaling to a first terminal device, the first signaling being used to instruct the first terminal device to perform, on an unlicensed frequency spectrum, a listen before talk (LBT) flow for occupying an unlicensed frequency band, and to send, on the unlicensed frequency band, uplink information within a first time length. The network device receives, on the unlicensed frequency spectrum, the uplink information from the first terminal device within the first time length. The first time length is a part of maximum channel occupancy time obtained by the first terminal device on the unlicensed frequency spectrum, and the first time length is less than the maximum channel occupancy time.

No. of Pages : 41 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014763 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD FOR SECURING PACKING UNITS, AND FIXING HOLDER FOR USE IN THE METHOD

(51) International classification	:B60P 7/12,B65D 71/00	(71) <b>Name of Applicant :</b> <b>1)INVAGO B.V.</b> Address of Applicant :Poortlaan 6 3261 PB Oud-Beijerland Netherlands
(31) Priority Document No	:1042574	
(32) Priority Date	:09/10/2017	
(33) Name of priority country	:Netherlands	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/NL2018/050662	<b>1)VAN GOCH, Andr</b>
Filing Date	:08/10/2018	
(87) International Publication No	:WO 2019/074359	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Method for securing packing units 20 on a transport vehicle 21, the packing units comprising a base 22 and at least two upright joined round containers 2a, 2b, the method comprising the steps of: providing a first fixing holder 1' on the upright circumferential edges 5 of two upright joined containers 2a, 2b of a first packing unit 20', providing a second fixing holder 1' on two upright circumferential edges of two upright joined containers 2a, 2b of the first packaging unit 20' or of a second packaging unit 20, arranging a tying strap or tensioning cable 8 over the fixing holders 1', 1, securing the first packing unit 20' with the tying strap or tensioning cable 8 on the transport vehicle 21.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/04/2020

(21) Application No.202047014790 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHODS OF FABRICATION OF NANO-SENSOR AND NANO-SENSOR ARRAY

(51) International classification	:G01N 27/00,H01L 21/00,H01L 29/00	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF SCIENCE</b> Address of Applicant :Office of Intellectual Property and Technology Licensing, Indian Institute of Science, Bangalore Karnataka India
(31) Priority Document No	:201741036760	
(32) Priority Date	:16/10/2017	
(33) Name of priority country	:India	
(86) International Application No Filing Date	:PCT/IN2018/050670 :16/10/2018	(72) <b>Name of Inventor :</b> <b>1)PRAJAPATI, Chandra Shekhar</b> <b>2)BHAT, Navakanta</b>
(87) International Publication No	:WO 2019/077630	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Methods of fabrication and nano-sensor and nano-sensor array thereof are provided. A sensing electrode assembly can be patterned on a sacrificial layer of a substrate. The sensing electrode assembly can comprise a pair of contact pads and an electrode element coupled to and disposed between the pair of contact pads. The sensing electrode assembly can be formed on the patterned sensing electrode assembly. The sacrificial layer below a portion of the electrode element can be removed to obtain a suspended electrode element. The suspended electrode element can be oxidized at a first predetermined temperature to obtain a pair of electromigrated regions and a notch portion between the pair of the electromigrated regions. The notch portion can be used to detect a gaseous component in an ambient gas at a second predetermined temperature.

No. of Pages : 17 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014824 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : COMPRESSOR AND REFRIGERATION CYCLE DEVICE

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(51) International classification	:F04B 39/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/JP2017/038265
Filing Date	:24/10/2017
(87) International Publication No	:WO 2019/082255
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

1)MITSUBISHI ELECTRIC CORPORATION

Address of Applicant :7-3, Marunouchi 2-chome, Chiyodaku, Tokyo 100-8310 Japan

(72)Name of Inventor :

1)SASAKI, Ryo

2)ARAI, Toshinori

3)GOMAE, Naohisa

(57) Abstract :

A compressor, wherein: a discharge pipe (22) is provided in a location that overlaps the center axis of a container (20) at one end of the container (20) in the axial direction; a first terminal (24a) and a second terminal (24b) are attached to the container (20) on the one end thereof in the axial direction at locations which are offset from the center axis of the container (20); and a first connecting line (26a) and a second connecting line (26b) are guided along an inner wall (20d) of the container (20), and electrically connect the first terminal (24a), the second terminal (24b), and an electric motor to one another inside the container (20) without intersecting with one another in the planar view.

No. of Pages : 29 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014825 A

(43) Publication Date : 15/05/2020

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

(51) International classification	:B62J 1/12,B62J 9/00,F16C 11/04	(71) <b>Name of Applicant :</b> <b>1)HONDA MOTOR CO., LTD.</b> Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556 Japan
(31) Priority Document No	:2017-189438	
(32) Priority Date	:29/09/2017	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2018/035375	<b>1)MIYAZAWA, Yoshiyuki</b>
Filing Date	:25/09/2018	<b>2)HARA, Ikuo</b>
(87) International Publication No	:WO 2019/065600	<b>3)OKAMOTO, Mayumi</b>
(61) Patent of Addition to Application Number	:NA	<b>4)KIKUNO, Junji</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A saddle-type vehicle is configured such that one of an article-accommodating box (4) and a seat (3) has a plastic pivot (19), and the other has a plastic holding part (30). The holding part (30) has an insertion opening (30a). A plastic box-side engaging part (22) and a seat-side engaging part (23) are provided to the article-accommodating box (4) and the seat (3), respectively, the engaging parts being such that when the pivot (19) is inserted into the holding part (30) through the insertion opening (30a), the engaging parts restrict relative displacement in the removal direction. Guide abutting surfaces (22a, 23a) that receive a compression load when the pivot (19) is inserted into the holding part (30), whereby one or both of the guide abutting surfaces (22a, 23a) elastically deform and allow insertion of the pivot (19) into the holding part (30), and removal restriction surfaces (22b, 23b) that restrict the removal of the pivot (19) from the holding part (30), are provided to the box-side engaging part (22) and the seat-side engaging part (23).

No. of Pages : 22 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014826 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : SYSTEM AND METHOD FOR IDENTITY RESOLUTION ACROSS DISPARATE DISTRIBUTED IMMUTABLE LEDGER NETWORKS

(51) International classification	:G06F 17/30,G06F 21/62,G06Q 20/40,G06Q 20/42,H04L 29/06	(71) <b>Name of Applicant :</b> <b>1)THE DUN &amp; BRADSTREET CORPORATION</b> Address of Applicant :103 JFK Parkway Short Hills, NJ 07078 U.S.A.
(31) Priority Document No	:62/568,128	(72) <b>Name of Inventor :</b>
(32) Priority Date	:04/10/2017	<b>1)KHAN, Saleem</b>
(33) Name of priority country	:U.S.A.	<b>2)GOSTYLO, Jacob, Caleb</b>
(86) International Application No Filing Date	:PCT/US2018/054160 :03/10/2018	
(87) International Publication No	:WO 2019/070853	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A system and method for identifying previously unknown counterparties by registering distributed ledger public keys and/or addresses associated with specific business entities and/or individuals. The system and method are configured to provide tools for administering public facing distributed ledger identifiers using cryptographic proof messaging and transactions made on the Distributed Ledger. It also provides queries and lookups to discover public keys associated with entities and allows users to link identifiers on competing Distributed Ledgers to a disambiguated entity, thereby enabling cross Ledger transactions to occur.

No. of Pages : 56 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014827 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : HEAT-INSULATING DOUBLE CONTAINER

(51) International classification	:B65D 65/40,B32B 7/12,B32B 27/00,B32B 27/10,B65D 3/22	(71) <b>Name of Applicant :</b> <b>1)DAI NIPPON PRINTING CO., LTD.</b> Address of Applicant :1-1, Ichigaya-kagacho 1-chome, Shinjuku-ku, Tokyo 162-8001 Japan
(31) Priority Document No	:2017-182709	(72) <b>Name of Inventor :</b>
(32) Priority Date	:22/09/2017	<b>1)YAMAGUCHI Yukinobu</b>
(33) Name of priority country	:Japan	
(86) International Application No Filing Date	:PCT/JP2018/034795 :20/09/2018	
(87) International Publication No	:WO 2019/059272	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The purpose of the present invention is to provide a heat-insulating double container which does not experience a decrease in function even when used in situations, such as microwave cooking, in which the container is exposed to higher temperatures than the prior art. The heat-insulating double container is provided with: a cup-type inner bottle composed of a cylindrical cup body member and a bottom member that seals a bottom section of the cylindrical cup body member; and an exterior sleeve which covers the cup body member so as to form a heat-insulating space between the exterior sleeve and the outer surface of the cup body member of the cup-type inner bottle, wherein, the cup body member and the bottom member are configured by a laminated body in which at least a base layer made of paper, an adhesive layer, a barrier layer, and a seal layer are laminated, and the adhesive layer is a resin composition that includes one or two or more selected from the group consisting of an epoxy group-containing compound, a silane group-containing compound, a carboxylic acid group-containing compound, and an acid anhydride-containing compound.

No. of Pages : 35 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014828 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : FULL METAL JACKET SAFETY BULLET, IN PARTICULAR FOR MULTI-PURPOSE APPLICATIONS

(51) International classification	:F42B 12/06,F42B 12/20,F42B 12/74,F42B 12/78	(71) <b>Name of Applicant :</b> <b>1)RUAG AMMOTEC AG</b> Address of Applicant :Uttigenstrasse 67, 3602 Thun Switzerland
(31) Priority Document No	:PCT/IB2017/055447	(72) <b>Name of Inventor :</b>
(32) Priority Date	:09/09/2017	<b>1)MUSTER, Michael</b>
(33) Name of priority country	:Argentina	
(86) International Application No Filing Date	:PCT/EP2018/074315 :10/09/2018	
(87) International Publication No	:WO 2019/048678	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In the transportation and handling of ammunition, the risk level is determined based on the amount of explosive used. This sets legal limits, for example for air transport, which are barely sufficient for a testing of bullets. With a targeted directing of shock waves, resulting from impacting on a target, high compressions occur on multiple sides in the active body (5'), which reliably initiate said active body without further auxiliary means or auxiliary materials. The object according to the invention achieves great savings in explosive material, without any loss in effectiveness, and significantly increases safety during transportation and handling.

No. of Pages : 14 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014844 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : NON-COMPLIANCE EVENT NOTIFICATIONS TO COMPANION DEVICES

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(51) International classification	:G06F 21/55,H04L 9/30
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT/US2017/059452 :01/11/2017
(87) International Publication No	:WO 2019/089020
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

---

(71)Name of Applicant :

**1)HEWLETT-PACKARD DEVELOPMENT COMPANY,  
L.P.**

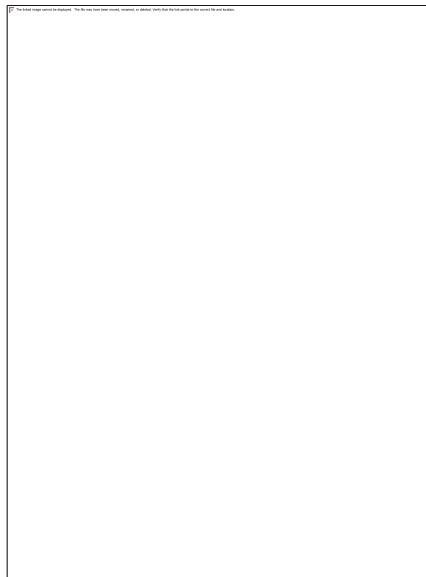
Address of Applicant :10300 Energy Drive Spring, Texas  
77389 U.S.A.

(72)Name of Inventor :

**1)FERREIRA, Ronaldo Ron**

(57) Abstract :

An example computing device includes a processor to establish a secure connection with a companion device via a companion service application executable by the processor. The processor is also to receive a local credential and a remote credential from the companion device via the companion service application. The processor is further to monitor an aspect of the computing device via an agent application executable by the processor. In response to detecting a non-compliance event via the agent application, the processor is to transmit a notification to the companion device via the agent application using the local credential, the remote credential, or a combination thereof.



No. of Pages : 10 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014860 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : LIPASE VARIANTS AND MICROCAPSULE COMPOSITIONS COMPRISING SUCH LIPASE VARIANTS

(51) International classification	:C12N 9/20,C11D 3/386,C12N 15/55,C12N 15/63,C12N 5/10	(71) <b>Name of Applicant :</b> <b>1)NOVOZYMES A/S</b> Address of Applicant :36, Krogshoejvej, Bagsvaerd 2880 Denmark
(31) Priority Document No	:17193514.1	(72) <b>Name of Inventor :</b>
(32) Priority Date	:27/09/2017	<b>1)TOSCANO, Miguel, Duarte, Guilherme, Pereira</b>
(33) Name of priority country	:EPO	<b>2)POULSEN, Thomas, Agersten</b>
(86) International Application No	:PCT/EP2018/075852	<b>3)HANSEN, Carsten, Hoerslev</b>
Filing Date	:25/09/2018	<b>4)BAUNSGAARD, Lone</b>
(87) International Publication No	:WO 2019/063499	<b>5)GIBSON, Keith</b>
(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 relates to variants of a parent lipase which has lipase activity and comprise one or more substitutions corresponding to G23S, D27N, A40I, F51I,L, E56R, D57N, V60E,K, K98I, N101D, R118F, G163S, T231R, N233R, Y220F, T244E, and P256T using SEQ ID NO: 2 for numbering. The present invention also relates to compositions or microcapsule compositions comprising a lipase variant of the invention and to liquid products comprising a microcapsule composition of the invention as well as the use of said microcapsule composition for stabilizing lipase variants of the invention.

No. of Pages : 130 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014888 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : BINDER FOR LITHIUM ION BATTERIES, AND ELECTRODE AND SEPARATOR USING SAME

(51) International classification	:H01M 4/62,C08B 3/12,C08L 1/00,C08L 27/12,H01M 2/16	(71) <b>Name of Applicant :</b> <b>1)ATTACCATO LIMITED LIABILITY COMPANY</b> Address of Applicant :17-5, Oujicho 3-chome, Izumi-shi, Osaka 5940004 Japan <b>2)THE JAPAN STEEL WORKS, LTD.</b>
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)MUKAI Takashi</b>
(33) Name of priority country	:NA	<b>2)IKEUCHI Yuta</b>
(86) International Application No Filing Date	:PCT/JP2017/035626 :29/09/2017	<b>3)SAKAMOTO Taichi</b>
(87) International Publication No	:WO 2019/064538	<b>4)YAMASHITA Naoto</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>5)ISHIGURO Ryo</b>
(62) Divisional to Application Number Filing Date	:NA :NA	<b>6)NAKAMURA Satoru</b>

(57) Abstract :

Provided is a nonaqueous binder for electrodes or separators, which is used in a lithium ion battery that has excellent cycle life characteristics at high temperatures. A nonaqueous binder for electrodes or separators of lithium ion batteries, which is obtained by complexing cellulose nanofibers and a thermoplastic fluorine-based resin, and which is characterized in that the cellulose nanofibers have a fiber size (diameter) of from 0.002  $\mu\text{m}$  to 1  $\mu\text{m}$  (inclusive), a fiber length of from 0.5  $\mu\text{m}$  to 10 mm (inclusive), and an aspect ratio ((fiber length of cellulose nanofibers)/(fiber diameter of cellulose nanofibers)) of from 2 to 100,000 (inclusive).

No. of Pages : 51 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014889 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : TETRAZOLINONE COMPOUND AND USE THEREOF

(51) International classification	:C07D 403/10,A01N 43/713,A01P 7/04,A61K 31/4155,A61P 33/14	(71) <b>Name of Applicant :</b> <b>1)SUMITOMO CHEMICAL COMPANY, LIMITED</b> Address of Applicant :27-1, Shinkawa 2-chome, Chuo-ku, Tokyo 104- 8260 Japan
(31) Priority Document No	:2017-173779	(72) <b>Name of Inventor :</b>
(32) Priority Date	:11/09/2017	<b>1)NAGASHIMA, Yuta</b>
(33) Name of priority country	:Japan	<b>2)KIMURA, Norio</b>
(86) International Application No Filing Date	:PCT/JP2018/033389 :10/09/2018	
(87) International Publication No	:WO 2019/050028	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides a compound having an excellent pest control effect with respect to pests, in particular, Lepidoptera pests. The compound represented by formula (1) has an excellent pest control effect with respect to pests, in particular, Lepidoptera pests.

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014890 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : FIRE RATED RADIO FREQUENCY CABLE

(51) International classification	:H01B 7/295,H01B 11/18	(71) <b>Name of Applicant :</b> <b>1)NOKIA SHANGHAI BELL CO., LTD.</b> Address of Applicant :388 Ningqiao Road, Pudong Jinqiao, Shanghai, 201206 China
(31) Priority Document No	:62/556,296	
(32) Priority Date	:08/09/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/CN2018/104657	
Filing Date	:07/09/2018	
(87) International Publication No	:WO 2019/047929	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A coaxial cable (10) is provided that includes an outer barrier (12, 14, 16) that seals the coaxial cable (10) from air and protects the cable's conductors (18, 20) from oxidation in a fire. Such an outer protective barrier (12, 14, 16) may include a fire retardant tape. A dielectric (22) separates the conductors (18, 20) and may comprise a ceramic (23) embedded in a dielectric material (25), or ceramic beads (110, 53) in a braided ceramic mesh(120, 55).

No. of Pages : 11 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014892 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : USE OF ENZYMES FOR IMPROVING WATER ABSORPTION AND/OR WHITENESS

(51) International classification	:C11D 3/00,C11D 3/386,D06M 16/00	(71) <b>Name of Applicant :</b> <b>1)NOVOZYMES A/S</b> Address of Applicant :36, Krogshoejvej, Bagsvaerd, 2880 Denmark
(31) Priority Document No	:17192111.7	
(32) Priority Date	:20/09/2017	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/075328	<b>1)PONT, Elena, Genesca</b>
Filing Date	:19/09/2018	<b>2)PLESNER, Bitten</b>
(87) International Publication No	:WO 2019/057758	<b>3)HANSEN, Tina, Reenberg</b>
(61) Patent of Addition to Application Number	:NA	<b>4)KEPPIE, Janni, Stentz, Estholm</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention concerns the use of enzymes for improving water absorption and/or improving whiteness of a textile. The invention further concerns a softener composition for use in improvement of water absorption and/or improvement of whiteness of a textile.

No. of Pages : 32 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014894 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : OPERATING METHOD AND OPERATING DEVICE FOR A SPINNING MILL

(51) International classification	:D01H 13/32,G05B 19/418	(71) <b>Name of Applicant :</b> <b>1)TRTZSCHLER GMBH &amp; CO. KG</b> Address of Applicant :Duvenstrasse 82-92, 41199, Mnchengladbach Germany
(31) Priority Document No	:10 2017 120 714.7	
(32) Priority Date	:08/09/2017	
(33) Name of priority country	:Germany	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/071144	<b>1)LEDER, Armin</b>
Filing Date	:03/08/2018	<b>2)HARTUNG, Reinhard</b>
(87) International Publication No	:WO 2019/048150	<b>3)MOSEBACH, Markus</b>
(61) Patent of Addition to Application Number	:NA	<b>4)VON DREUSCHE, Peter</b>
Filing Date	:NA	<b>5)FRANKE, Christian</b>
(62) Divisional to Application Number	:NA	<b>6)SELKER, Hermann</b>
Filing Date	:NA	<b>7)KLUGE, Rolf</b>

(57) Abstract :

The invention relates to a method for operating a spinning mill which comprises at least three levels that are arranged hierarchically with respect to each other. For each level, the method comprises a step (S12) of displaying, on a display apparatus (1), a configuration unit belonging to the level in question and associated configuration data and/or state data. Apart from the hierarchically lowest level, for every other level the method additionally provides a step (S12) of displaying at least one configuration unit associated with the displayed configuration unit. In addition, for said levels the method also provides a step (S15) of enabling the selection of one of the at least one associated configuration unit. If a configuration unit is selected, a step (S6) of switching to the level to which the selected configuration unit belongs follows. Each configuration unit of the lowermost, first level represents an individual machine of the spinning mill. A computer-readable medium has commands that can be executed by a processor, in order to enable a processor to carry out the method. A device having a display (1) is provided and comprises an apparatus, or is coupled to such an apparatus, which is designed to carry out said method.

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014895 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : NODES AND METHODS FOR HANDLING PAGING

(51) International classification	:H04W 68/02
(31) Priority Document No	:62/568,833
(32) Priority Date	:06/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2018/077198
Filing Date	:05/10/2018
(87) International Publication No	:WO 2019/068898
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

Address of Applicant :SE-164 83, Stockholm Sweden

(72)Name of Inventor :

1)CHEN, Qian

2)SCHLIWA-BERTLING, Paul

3)ROMMER, Stefan

(57) Abstract :

Embodiments herein relate generally to a Control plane, CP, node, a method performed by the CP node, a Radio Access Network, RAN, node and a method performed by the RAN node. More particularly the embodiments herein relate to handling paging.

No. of Pages : 26 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014896 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : TETRAZOLINONE COMPOUND AND USE THEREOF

(51) International classification	:C07D 403/14,A01N 43/713,A01P 7/04	(71) <b>Name of Applicant :</b> <b>1)SUMITOMO CHEMICAL COMPANY, LIMITED</b> Address of Applicant :27-1, Shinkawa 2-chome, Chuo-ku, Tokyo 104-8260 Japan
(31) Priority Document No	:2017-173778	(72) <b>Name of Inventor :</b>
(32) Priority Date	:11/09/2017	<b>1)IKEHARA, Takashi</b>
(33) Name of priority country	:Japan	<b>2)KIMURA, Norio</b>
(86) International Application No	:PCT/JP2018/033385	
Filing Date	:10/09/2018	
(87) International Publication No	:WO 2019/050026	
(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 provides a compound having superior pest-control efficacy for harmful insects and for lepidopteran pests in particular. The compound shown by Formula (1) has superior pest-control efficacy for harmful insects and for lepidopteran pests in particular.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014911 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD OF NOTIFICATION OF INFORMATION DETERMINED BY A TERMINAL DESTINED FOR AN ACCESS NETWORK OF A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W 4/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:1759580	<b>1)SIGFOX</b>
(32) Priority Date	:12/10/2017	Address of Applicant :425, Rue Jean Rostand 31670 LABEGE France
(33) Name of priority country	:France	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/077854	<b>1)ISSON, Olivier</b>
Filing Date	:12/10/2018	<b>2)MARTY, Renaud</b>
(87) International Publication No	:WO 2019/073026	
(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 relates to a method (50) of notification, by a terminal (20), of information determined by said terminal, the method comprising: - an evaluation (51), as a function of measurements provided by a motion sensor (22), of a predetermined criterion for motion detection and, when the motion detection criterion is satisfied: a time-stamping (52) of the motion detected by storing an instant of detection of the detected motion, - a determination (53), as a function of the instants of detection, of respective instants of start and of instants of end of mobility phases of the terminal (20), - a determination (54) of information by the terminal (20) as a function of the respective instants of start and of the instants of end of mobility phases of said terminal, - a formation (55) of a notification message comprising the information determined, - a sending (56) of the notification message.

No. of Pages : 21 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014918 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PATH SELECTION FOR FINE TIMING MEASUREMENT PROTOCOL

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(51) International classification	:H04B 7/06,G01S 5/12,G01S 5/14,H04B 7/08,H04W 64/00	(71) <b>Name of Applicant :</b> <b>1)QUALCOMM INCORPORATED</b> Address of Applicant :ATTEN: International IP Administration 5775 Morehouse Drive San Diego, California 92121-1714 U.S.A. (72) <b>Name of Inventor :</b> <b>1)KASHER, Assaf Yaakov</b> <b>2)EITAN, Alecsander Petru</b> <b>3)SANDEROVICH, Amichai</b> <b>4)TRAININ, Solomon</b>
(31) Priority Document No	:62/582254	
(32) Priority Date	:06/11/2017	
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/US2018/059439 :06/11/2018	
(87) International Publication No	:WO 2019/090327	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A first apparatus may identify a first set of antenna settings and a second set of antenna settings based on beamforming training with a second apparatus, and the first set of antenna settings may correspond to a first path that is different from a second path with the second apparatus corresponding to the second set of antenna settings. The first apparatus may generate a first request frame including an indication to use the first path for at least one first field of a first measurement frame, and may output the first request frame for transmission to the second apparatus. The first apparatus may obtain, from the second apparatus, a first measurement frame via the first set of antenna settings for reception of at least one first field and via the second set of antenna settings for reception of one or more second fields of the first measurement frame.

No. of Pages : 58 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202047014944 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : RECOMBINANT NON-PATHOGENIC MAREK'S DISEASE VIRUS CONSTRUCTS ENCODING MULTIPLE HETEROLOGOUS ANTIGENS

(51) International classification	:C12N 7/00,C12N 15/869,A61K 39/12
(31) Priority Document No	:62/571524
(32) Priority Date	:12/10/2017
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/EP2018/077725 :11/10/2018
(87) International Publication No	:WO 2019/072964
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)INTERVET INTERNATIONAL B.V.**

Address of Applicant :Wim de Krverstraat 35 5831 AN  
Boxmeer Netherlands

**2)INTERVET INC.**

(72)**Name of Inventor :**

**1)COOK, Stephanie, M.**

**2)MORSEY, Mohamad**

**3)TARPEY, Ian**

(57) Abstract :

The present invention discloses novel recombinant multivalent non-pathogenic Marek's Disease virus constructs that encode and express foreign antigens from three or more avian viruses, along with methods of the use of the multivalent poultry virus vaccines.

No. of Pages : 113 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202048012643 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A GEL FORMULATION COMPRISING A MACROMOLECULE

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	:A61K 31/785,A61K 31/745,A61K 31/795,A61P 15/02,A61P 31/04
(51) International classification	
(31) Priority Document No	:61/486,700
(32) Priority Date	:16/05/2011
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/AU2011/000891 :14/07/2011
(87) International Publication No	:WO2012/155172
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number Filed on	:10044/CHENP/2013 :16/12/2013

(71)Name of Applicant :

**1)STARPHARMA PTY LTD**

Address of Applicant :Baker Building, 75 Commercial Road,  
Melbourne, Victoria 3004 Australia

(72)Name of Inventor :

**1)PAULL, Jeremy Robert Arthur**

**2)FAIRLEY, Jacinth Kincaid**

**3)PRICE, Clare Frances**

**4)LEWIS, Gareth Rhys**

---

(57) Abstract :

The present invention relates to methods of treatment or prophylaxis of bacterial vaginosis, prevention of recurrence of bacterial vaginosis and alleviation or prevention of symptoms or diagnostic criteria of bacterial vaginosis. The methods comprising administration of an effective amount of a macromolecule comprising a polylysine, polyamidoamine, poly(etherhydroxyamine) or poly(propyleneimine) dendrimer and one or more sulfonic acid containing moieties attached thereto.

No. of Pages : 43 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202048012644 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : A GEL FORMULATION WITH ANTIVIRAL AND ANTIBACTERIAL ACTIVITY

(51) International classification	:A61K 31/785,A61K 31/745,A61K 31/795,A61P 15/02,A61P 31/04	(71) <b>Name of Applicant :</b> <b>1)STARPHARMA PTY LTD</b> Address of Applicant :Baker Building, 75 Commercial Road, Melbourne, Victoria 3004 Australia
(31) Priority Document No	:61/486,700	(72) <b>Name of Inventor :</b>
(32) Priority Date	:16/05/2011	<b>1)PAULL, Jeremy Robert Arthur</b>
(33) Name of priority country	:U.S.A.	<b>2)FAIRLEY, Jacinth Kincaid</b>
(86) International Application No Filing Date	:PCT/AU2011/000891 :14/07/2011	<b>3)PRICE, Clare Frances</b>
(87) International Publication No	:WO/2012/155172 A1	<b>4)LEWIS, Gareth Rhys</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filed on	:10044/CHENP/2013 :16/12/2013	

(57) Abstract :

The present invention relates to methods of treatment or prophylaxis of bacterial vaginosis, prevention of recurrence of bacterial vaginosis and alleviation or prevention of symptoms or diagnostic criteria of bacterial vaginosis. The methods comprising administration of an effective amount of a macromolecule comprising a polylysine, polyamidoamine, poly(etherhydroxyamine) or poly(propyleneimine) dendrimer and one or more sulfonic acid containing moieties attached thereto.

No. of Pages : 44 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/03/2020

(21) Application No.202048012660 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A FORMULATION FOR USE AS A MEDICAMENT FOR THE TREATMENT

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	:A61K 31/785,A61K 31/745,A61K 31/795,A61P 15/02,A61P 31/04
(51) International classification	
(31) Priority Document No	:61/486,700
(32) Priority Date	:16/05/2011
(33) Name of priority country	:U.S.A.
(86) International Application No Filing Date	:PCT/AU2011/000891 :14/07/2011
(87) International Publication No	:WO2012/155172
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:10044/CHENP/2013 :16/12/2013

(71)Name of Applicant :

**1)STARPHARMA PTY LTD**

Address of Applicant :Baker Building, 75 Commercial Road,  
Melbourne, Victoria 3004 Australia

(72)Name of Inventor :

**1)PAULL, Jeremy Robert Arthur**

**2)FAIRLEY, Jacinth Kincaid**

**3)PRICE, Clare Frances**

**4)LEWIS, Gareth Rhys**

---

(57) Abstract :

The present invention relates to methods of treatment or prophylaxis of bacterial vaginosis, prevention of recurrence of bacterial vaginosis and alleviation or prevention of symptoms or diagnostic criteria of bacterial vaginosis. The methods comprising administration of an effective amount of a macromolecule comprising a polylysine, polyamidoamine, poly(etherhydroxyamine) or poly(propyleneimine) dendrimer and one or more sulfonic acid containing moieties attached thereto.

No. of Pages : 47 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/03/2020

(21) Application No.202048012922 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : VARIANTS OF CHYMOSIN WITH IMPROVED MILK-CLOTTING PROPERTIES

(51) International classification	:C12N 9/64,C12N 15/59,A23C 19/06
(31) Priority Document No	:12169503.5
(32) Priority Date	:25/05/2012
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2013/060460
Filing Date	:22/05/2013
(87) International Publication No	:WO/2013/174840
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:9113/CHENP/2014
Filed on	:18/12/2014

(71)Name of Applicant :

1)CHR. HANSEN A/S

Address of Applicant :Boege Alle 10-12, DK-2970  
Hoersholm, Denmark

(72)Name of Inventor :

1)VAN DEN BRINK, Johannes Maarten

2)LUND, Martin

3)JACOBSEN, Jonas

4)HANSEN, Sari Charlotte

5)JEPPESEN, Iben

(57) Abstract :

ABSTRACT VARIANTS OF CHYMOSIN WITH IMPROVED MILK-CLOTTING PROPERTIES Variants of chymosin with improved milk-clotting properties.

No. of Pages : 58 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/03/2020

(21) Application No.202048013079 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD AND APPARATUS FOR GENERATING FROM A COEFFICIENT DOMAIN REPRESENTATION OF HOA SIGNALS A MIXED SPATIAL/COEFFICIENT DOMAIN REPRESENTATION OF SAID HOA SIGNALS

(51) International classification	:G10L 19/008,H04S 3/00	(71) <b>Name of Applicant :</b> <b>1)DOLBY INTERNATIONAL AB</b> Address of Applicant :Apollo Building, 3E Herikerbergweg 1-35 NL-1101 CN Amsterdam Zuidoost, Netherlands Netherlands
(31) Priority Document No	:13305986.5	
(32) Priority Date	:11/07/2013	
(33) Name of priority country	:EPO	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/EP2014/063306 :24/06/2014	<b>1)KRUEGER, Alexander</b> <b>2)KORDON, Sven</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filed on	:7400/CHENP/2015 :30/11/2015	

(57) Abstract :

There are two representations for Higher Order Ambisonics denoted HOA: spatial domain and coefficient domain. The invention generates from a coefficient domain representation a mixed spatial/coefficient domain representation, wherein the number of said HOA signals can be variable. A vector of coefficient domain signals is separated into a vector of coefficient domain signals having a constant number of HOA coefficients and a vector of coefficient domain signals having a variable number of HOA coefficients. The constant-number HOA coefficients vector is transformed to a corresponding spatial domain signal vector. In order to facilitate high-quality coding, without creating signal discontinuities the variable-number HOA coefficients vector of coefficient domain signals is adaptively normalised and multiplexed with the vector of spatial domain signals.

No. of Pages : 28 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/03/2020

(21) Application No.202048013503 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : VIDEO PARAMETER SET FOR HEVC AND EXTENSIONS

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(51) International classification	:H04N 7/26
(31) Priority Document No	:61/667,387
(32) Priority Date	:02/07/2012
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2013/049126
Filing Date	:02/07/2013
(87) International Publication No	:WO2014008290
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:8945/CHENP/2014
Filed on	:02/07/2013

---

(71)**Name of Applicant :**

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration,  
5775 Morehouse Drive, San Diego, California 92121-1714, USA  
U.S.A.

(72)**Name of Inventor :**

**1)CHEN, Ying**

**2)WANG, Ye-Kui**

(57) Abstract :

VIDEO PARAMETER SET FOR HEVC AND EXTENSIONS A video coder can be configured to receive in a video parameter set, one or more syntax elements that include information related to hypothetical reference decoder (HRD) parameters; receive in the video data a first sequence parameter set comprising a first syntax element identifying the video parameter set; receive in the video data a second sequence parameter set comprising a second syntax element identifying the video parameter set; and, code, based on the one or more syntax elements, a first set of video blocks associated with the first parameter set and second set of video blocks associated with the second parameter set.

No. of Pages : 94 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/03/2020

(21) Application No.202048013940 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : AN ELECTROMECHANICAL GENERATOR FOR CONVERTING MECHANICAL VIBRATIONAL ENERGY INTO ELECTRICAL ENERGY

(51) International classification	:F16F 3/00,H02K 35/00
(31) Priority Document No	:1220417.8
(32) Priority Date	:13/11/2012
(33) Name of priority country	:U.K.
(86) International Application No Filing Date	:PCT/EP2013/073754 :13/11/2013
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filed on	:3424/CHENP/2015 :13/11/2013

(71)**Name of Applicant :**

**1)PERPETUUM LTD**

Address of Applicant :Epsilon House, Chilworth Science Park,  
Southampton SO16 7NS, United Kingdom U.K.

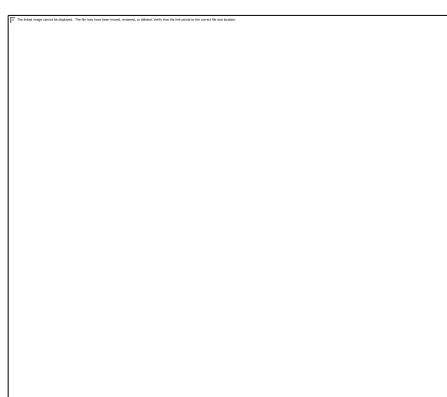
(72)**Name of Inventor :**

**1)VINCENT, David, Robert**

**2)WASENCZUK, Adam**

(57) Abstract :

Disclosed is an electromechanical generator for converting mechanical vibrational energy into electrical energy, the electromechanical generator comprising: a mass resiliently connected to a body by a biasing device and adapted to oscillate about an equilibrium point relative to the body with an oscillation amplitude, a transducer configured to convert oscillations of the mass about the equilibrium point relative to the body into electrical energy, and a resilient device disposed between the biasing device and one of the mass and the body, wherein the resilient device is configured to be deformed between the biasing device and the one of the mass and the body only when the oscillation amplitude exceeds a predetermined non-zero threshold amplitude. The resilient device may comprise one of a helical spring, an O-ring and a spring washer, such as a Belleville washer, a curved disc spring, a wave washer, and a split washer.  
[Figure 1]



No. of Pages : 38 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/03/2020

(21) Application No.202048014263 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : AN ELECTROMECHANICAL GENERATOR FOR CONVERTING MECHANICAL VIBRATIONAL ENERGY INTO ELECTRICAL ENERGY

(51) International classification	:F16F 3/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:1220417.8	<b>1)PERPETUUM LTD</b>
(32) Priority Date	:13/11/2012	Address of Applicant :Epsilon House, Chilworth Science Park, Southampton SO16 7NS U.K.
(33) Name of priority country	:U.K.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2013/073754	<b>1)VINCENT, David, Robert</b>
Filing Date	:13/11/2013	<b>2)WASENCZUK, Adam</b>
(87) International Publication No	:WO/2014/076143	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:3424/CHENP/2015	
Filed on	:13/11/2013	

(57) Abstract :

Disclosed is an electromechanical generator for converting mechanical vibrational energy into electrical energy, the electromechanical generator comprising: a mass resiliently connected to a body by a biasing device and adapted to oscillate about an equilibrium point relative to the body with an oscillation amplitude, a transducer configured to convert oscillations of the mass about the equilibrium point relative to the body into electrical energy, and a resilient device disposed between the biasing device and one of the mass and the body, wherein the resilient device is configured to be deformed between the biasing device and the one of the mass and the body only when the oscillation amplitude exceeds a predetermined non-zero threshold amplitude. The resilient device may comprise one of a helical spring, an O-ring and a spring washer, such as a Belleville washer, a curved disc spring, a wave washer, and a split washer. [Figure 1]

No. of Pages : 37 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/04/2020

(21) Application No.202048014540 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : PLEASE SEE THE ATTACHMENT

		<p>(71)<b>Name of Applicant :</b></p> <p><b>1)TRON - TRANSLATIONALE ONKOLOGIE AN DER UNIVERSIT, TSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSIT, T MAINZ GEMEINNTZIGE GMBH</b></p> <p>Address of Applicant :Freiligrathstrasse 12, 55131, Mainz, Germany Germany</p> <p><b>2)BioNTech RNA Pharmaceuticals GmbH</b></p> <p>(72)<b>Name of Inventor :</b></p> <p><b>1)SAHIN, Ugur</b> <b>2)HAAS, Heinrich</b> <b>3)KREITER, Sebastian</b> <b>4)DIKEN, Mustafa</b> <b>5)FRITZ, Daniel</b> <b>6)MENG, Martin</b> <b>7)KRANZ, Lena, Mareen</b> <b>8)REUTER, Kerstin</b></p>
(51) International classification	:A61K 9/127,A61K 39/00,A61K 48/00	
(31) Priority Document No	:PCT/EP2012/001319	
(32) Priority Date	:26/03/2012	
(33) Name of priority country	:PCT	
(86) International Application No Filing Date	:PCT/EP2013/000902 :25/03/2013	
(87) International Publication No	:WO/2013/143683	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filed on	:6907/CHENP/2014 :25/03/2013	

(57) Abstract :

The present invention is in the field of immunotherapy, in particular tumor immunotherapy. The present invention provides pharmaceutical formulations for delivering RNA to antigen presenting cells such as dendrite cells (DCs) in the spleen after systemic administration. In particular, the formulations described herein enable to induce an immune response after systemic administration of antigen-coding RNA.

No. of Pages : 122 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/04/2020

(21) Application No.202048014891 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : STABILIZED SUBTILISIN COMPOSITION

(51) International classification	:C11D 3/386,C07K 5/06,C07K 5/08
(31) Priority Document No	:11172357.3
(32) Priority Date	:01/07/2011
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2012/062760
Filing Date	:29/06/2012
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:700/CHENP/2014
Filed on	:28/01/2014

(71)Name of Applicant :

1)NOVOZYMES A/S

Address of Applicant :36 Krogshoejvej Bagsvaerd Denmark  
DK-2880 Denmark

(72)Name of Inventor :

1)Mikkelsen, Lise Munch

2)Ponzini, Francesco

3)Bisaccia, Roberto

4)Canevotti , Renato

(57) Abstract :

As Attached

No. of Pages : 31 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201831042153 A

(19) INDIA

(22) Date of filing of Application :08/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : SAMPLER FOR COLLECTION OF MOLTEN METAL SAMPLE

(51) International :G01N0001120000,C21C0005460000,C21C0005560000,  
classification G01N0033205000,F27D0003160000  
(31) Priority Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name of priority :NA  
country  
(86) International Application :NA  
No :NA  
Filing Date  
(87) International : NA  
Publication No  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date  
(62) Divisional to Application :NA  
Number :NA  
Filing Date

(71) **Name of Applicant :**

**1)TATA STEEL LIMITED**

Address of Applicant :Bistupur, Jamshedpur, Jharkhand-831001, India. Jharkhand India

(72) **Name of Inventor :**

**1)TAPAS KUMAR ROY**

**2)BALAKRISHNAN V.**

**3)ANIL KUMAR**

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042238 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CLEANING APPARATUS

(51)  
International :C11D0003200000,E04H0004160000,B08B0001000000,A46B0007040000,B08B0007020000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :PCT//  
No :01/01/1900  
Filing  
Date

(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

CLEANING APPARATUS • The present disclosure discloses a cleaning apparatus for removing the deposits on the varieties of surfaces. The apparatus comprises a telescopic connection to adjust the length of the apparatus, a cordless spin to make cleaning more convenient and hassle-free and detachable brush head for perfect cleaning of bathtub, bathroom floor, toilet, tiled wall, sinks and swimming pool to removes hard watermarks, lime scale build-up, mold, algae, soap scum, mildew, and surface rust .

No. of Pages : 17 No. of Claims : 10

(71)Name of Applicant

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042257 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ENGINE STARTING DELAY SYSTEM

(51)  
International :F02N0011100000,F02N0011080000,A61B0005055000,H04B0007150000,H02H0003027000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
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of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
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Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
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2)MANAS BASU  
3)SATISH  
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(57) Abstract :

ENGINE STARTING DELAY SYSTEM Described herein is an engine starting delay system (100) comprising a first relay (112) receiving an input voltage from an alternator of an engine when an ignition switch is operated to crank a starter of the engine, wherein the first relay (112) is to output a voltage after a predetermined voltage is build-up in the first relay (112). The system further includes a second relay (122) receiving the voltage from the first relay (112) for a predetermined delay time to energize a relay coil (126) present in the second relay (122); and a third relay (132) receiving the voltage from an output end (130) of the relay coil (126) of the second relay (122) when the relay coil (126) is energized, so as to allow increment in the revolution per minute (RPM) of an engine crankshaft.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042258 A

(19) INDIA

(22) Date of filing of Application :09/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ENGINE STOPPING DELAY SYSTEM

(51)

International :F02N0011080000,H02J0007000000,H02J0007020000,H04B0007150000,H04N0005357000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing  
Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date

(62)

Divisional to

Application :NA  
Number :NA

Filing  
Date

(57) Abstract :

ENGINE STOPPING DELAY SYSTEM Described herein is an engine stopping delay system (100) comprising a first relay (108) receiving a voltage from a battery for a predetermined delay time to energize a relay coil (114) present in the first relay (108) when an ignition switch (104) is operated to switch-off an engine; a second relay (124) receiving the voltage through the first relay (108) when the relay coil (114) is charged to close a switch (126) within the second relay (124), wherein the switch (126) is closed for a predetermined delay time and opened after the predetermined delay time; and a third relay (112) receiving the voltage from the battery when an inter-relay switch (128) is activated by the voltage supplied by the second relay (124), so as to draw current, in the event of cranking off.

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No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042314 A

(19) INDIA

(22) Date of filing of Application :10/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : A INDOOR NAVIGATION SYSTEM FOR AIDING VISUALLY CHALLENGED PEOPLE

(51)

International :G01C002120000,H04W0004020000,G06F0003030000,H04W0088020000,G06F0003010000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

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(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

A INDOOR NAVIGATION SYSTEM FOR AIDING VISUALLY CHALLENGED PEOPLE The present invention relates to a indoor navigation system for visually challenged people, said navigation system comprising of: plurality of transmitter modules (100) installed at predefined location outside each room; plurality of receiver modules (200) installed in each wearable device (204) of a user receives the information from the transmitter module (100) when the user is within the range of said transmitter module (100). The transmitter module (100) transmits its location information to the receiver module (200) through a light source (101). The transmitter module (100) includes a modulator (102) to modulate and transmit the light from the light source (101). The receiver module (200) includes a light sensor (201), which detects the light, demodulator (202), and a microcontroller (203) connected with the light sensor (201), which controls output of the wearable device (204) based on output from the light sensor (201). Figure to be included with abstract: [Figure 1]

No. of Pages : 14 No. of Claims : 12

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042315 A

(19) INDIA

(22) Date of filing of Application :10/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : SHELLAC PROCESSING SYSTEM AND METHOD THEREOF

(51)

International :B01D0036000000,B01D0050000000,B01D0029900000,C02F0001000000,G06F0016953500  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA  
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Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA  
Filing

Date

(62)

Divisional to

Application :NA  
Number :NA  
Filing

Date

(57) Abstract :

SHELLAC PROCESSING SYSTEM AND METHOD THEREOF The present invention relates to simple, portable and cost effective shellac processing system and method with an excellent filtering capacity resulting in high purity products. The shellac processing system (100) comprises a first pressure vessel (10) and a second pressure vessel (20), wherein the second pressure vessel (20) is positioned at a higher altitude with respect to the first pressure vessel (10); a ball valve (23) which is positioned at a bottom face of second pressure vessel (20); a flow channel (30) connected between the first pressure vessel (10) and the second pressure vessel (20); a filtration panel (40) positioned below the second pressure vessel (20); a filter media (50) positioned at top end of the filtration panel (40); and a plurality of collecting terminals (60) positioned at the bottom end (41) of filtration panel (40), wherein the filtered shellac is collected through the plurality of collecting terminals. Figure to be included with abstract: [Figure 1]

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No. of Pages : 17 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042316 A

(19) INDIA

(22) Date of filing of Application :10/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : CERVICAL COLLAR WITH ENHANCED USER COMFORT

(51)

International :A61F0005055000,A61F0007000000,A41D0001220000,G02C0011080000,A61F0007020000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

**ABSTRACT CERVICAL COLLAR WITH ENHANCED USER COMFORT** The present invention relates to a smart and comfortable cervical collar with enhanced user comfort, which maintains a constant temperature and humidity around the collar area equivalent to that of the ambient temperature and humidity. The cervical collar comprises a collar body (1) having a first end (1a) and a second end (1b), placed circumferentially around the neck of a wearer; a removable adhesive member (2) positioned on the first end (1a) and the second end (1b); and an air circulating device (3) along with a plurality of openings (4) regulates the temperature and humidity around the neck area of the wearer, thereby eliminating the associated discomfort of the conventional cervical collar. Figure to be included with abstract: [Figure 1]

No. of Pages : 15 No. of Claims : 10

(71)Name of Applicant :

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/11/2018

(21) Application  
No.201831042317 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A NAVIGATION SYSTEM FOR VISUALLY CHALLENGED PEOPLE

(51)  
International :G08G0001096700,G08G0001095000,G08G0001096000,A61B000500000,H04B0017120000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)

International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

**ABSTRACT** A NAVIGATION SYSTEM FOR VISUALLY CHALLENGED PEOPLE The present invention relates to a navigation system for visually challenged people with real time traffic signal alert, said navigation system, comprising of: plurality of transmitter modules (100) installed in each of the traffic light pole at intersections and cross roads; plurality of receiver modules (200) installed in each wearable device (204) of a user receives the signal information from the transmitter module (100) when the user is within the range of said transmitter module (100). The transmitter module (100) transmits its signal information to the receiver module (200) through a light source (101). The microcontroller (203) sends alert signal to a user through their wearable device (204) about the traffic signal condition in real time. The visually challenged person shall thus have the information about the traffic signal condition in real time and decide to safely walk/stand accordingly at crossroads and intersections. Figure to be included with abstract: [Figure 1]

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

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**2)Purba Biswas**  
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/11/2018

(21) Application  
No.201831042411 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A LIFE JACKET WITH PROVISION TO SUPPLY OXYGEN IN EMERGENCY

(51)

International :A62B0007140000,A62B0009020000,A62B0018020000,A62B0025000000,B64D0010000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

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Date

(87)

International : NA

Publication

No

(61) Patent  
of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

LIFE JACKET WITH PROVISION TO SUPPLY OXYGEN IN EMERGENCY The present invention relates to life jacket with provision to supply oxygen in emergency; comprising of: a life jacket body (1); two life-saving pockets (2, 3) placed in left and right sides of front side (1b) of the life jacket body (1), respectively; an emergency oxygen container (4) places in at least one of the pockets (3) of the jacket body (1); an oxygen mask (5) and a flexible hose (6) placed in to the other pocket (2) of the jacket body (1); an oxygen flow regulator (7) fitted into the mask (5) for controlling the flow of oxygen; and an economizer system designed to regulate the flow of oxygen with respect to user to user. Figure to be included with abstract: [Figure 1]

No. of Pages : 16 No. of Claims : 10

(71)Name of Applicant

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201831042429  
A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : FIXTURE DEVICE TO STANDARDIZE ROOT AND TENON MILLING OPERATION OF STEAM TURBINE BLADE

(51)

International :H01R0013660000,B25B0005000000,A61F0002280000,B23H0011000000,G01N0021250000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing

Date

(87)  
International : NA  
Publication No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)  
Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

Described herein is a fixture device to standardize root and tenon milling operation of steam turbine blades (10). The fixture device comprising a base plate (1); a pair of lateral columns (2) mounted vertically along their length on upper surface of the base plate (1) in such a way that their longitudinal bases lie parallelly opposite to each other with a gap forming therebetween; a bottom resting pad (5) disposed in the gap formed between the pair of lateral columns (2); a top clamp (6) disposed in the gap formed between the pair of the lateral columns (2), wherein top face of the bottom resting pad (5) and bottom face of the top clamp (6) are designed with a shape of a blade profile so as to lock vertical movement of a blade (10); and a root locator (7) fitted at root end of the pair of the lateral columns (2) to define the position of the blade (10) in lateral direction so as to lock the lateral movement of the blade (10). [[TO BE PUBLISHED WITH FIG. 1]]

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

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042430 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : DEVICE FOR FACILITATING ROOT AND SHROUD MILLING OF STEAM TURBINE BLADES WITH LESS THAN 100 MM LENGTH •

(51)

International :F01D0005220000,B23P0006000000,B23Q0003060000,F01D0005280000,B25B0005100000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA

Date

(33) Name

of priority :NA

country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA

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No

(61) Patent

of Addition

to

Application :NA

Number :NA

Filing

Date

(62)

Divisional to

Application :NA

Number :NA

Filing

Date

(57) Abstract :

DEVICE FOR FACILITATING ROOT AND SHROUD MILLING OF STEAM TURBINE BLADES WITH LESS THAN 100 MM LENGTH Described herein is a device for root and shroud milling of small size steam turbine blades with length less than 100 mm on a computer numerical control (CNC) horizontal machining center. The device includes a root base pad (1) for positioning of root of a blade (4) on its top; a shroud base pad (2) for positioning of shroud of the blade (4) on its top; and a root locator (3) for fixing the position of the blade (4) in the longitudinal direction along its length.

No. of Pages : 17 No. of Claims : 2

(71)Name of Applicant :

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042453 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A MULTI-TOOL AGRICULTURAL IMPLEMENT

(51)

International :B25F0001000000,B25C0011000000,A01B0001020000,B25G0001040000,B25F0001040000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA

Filing  
Date

(87)  
International : NA  
Publication

No

(61) Patent  
of Addition  
to  
Application :NA  
Number :NA

Filing  
Date

(62)  
Divisional to  
Application :NA  
Number :NA

Filing

Date

(57) Abstract :

ABSTRACT A multi-tool agricultural implement comprising: an elongate stem (12) configured to work as a handle cum lever; attachments configured to be connected to said elongate stem, said attachments being selected from a group consisting of a normal sickle end tool (16b), serrated sickle end tool (16a), weeding end tool (16c), rake end tool (16e), normal spade end tool (16g), serrated spade end tool (16f), crowbar end tool (16d) and hammer end tool (16h); and a joining mechanism by means of a connector aiding in coupling one of said attachments (normal sickle end tool, serrated sickle end tool, weeding end tool, rake end tool, normal spade end tool, serrated spade end tool, crowbar end tool and hammer end tool) and the elongate stem (12).

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201831042482 A

(19) INDIA

(22) Date of filing of Application :12/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD OF SYNCHRONIZING MIRRORED FILE SYSTEMS AND STORAGE DEVICE THEREOF

(51) International :G06F0012121000,G06F0012020000,G06F0009300000,  
classification G06F0011140000,G11C0008120000

(31) Priority Document :NA  
No

(32) Priority :NA  
Date

(33) Name of priority :NA  
country  
(86)

International Application :NA  
No :NA

Filing Date

(87) International : NA  
Publication No

(61) Patent of Addition  
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Number :NA

Filing Date

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(57) Abstract :

Methods and device for synchronizing input/output (IO) transactions in a communication network between a first storage device and a second storage device is disclosed where the method is performed by the second storage device. The method comprises of identifying an execution status of the first object corresponding to an IO transaction received from the first storage device during synchronization. When the execution status indicates that the first object is currently being updated based on a background snapshot received from the first storage device, the method comprises of committing a background (BG) IO transaction, corresponding to the first object, to the cache of the second storage device, and on completion of the committing of the BG IO transaction to the cache, appending changes to a page of the memory blocks of cache, where the appended page is within a fixed range of memory blocks of the cache that is changed by the BG IO transaction. FIG. 4

No. of Pages : 54 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042565 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A DECORTICATOR AND METHOD THEREOF

(51)

International :A23N0005000000,A23N0007080000,B02B0003080000,C11B0001040000,A47J0043260000  
classification

(31) Priority

Document :NA  
No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International  
Application :NA  
No :NA

Filing  
Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing  
Date

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Divisional to

Application :NA  
Number :NA

Filing  
Date

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(57) Abstract :

A DECORTICATOR AND METHOD THEREOF The present Invention relates to an adjustable decorticator machine for dry fruit/s extraction having hard shell, without damaging the kernel. An efficient adjustable decorticator machine for extracting the kernel(s) from the hull and/or shell thereby separating the extracted kernel(s) from the cracked, residual hull/shells and its method of operation thereof.

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :13/11/2018

(21) Application  
No.201831042600 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : AN IMPROVED STRETCHER

(51)  
International :A61G0007100000,A61G0001020000,A61G0001040000,A61G0005100000,G16H0050200000  
classification  
(31) Priority  
Document :NA  
No

(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country

(86)  
International  
Application :NA  
No :NA  
Filing

Date  
(87)

International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing

Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

(57) Abstract :

~AN APPARATUS FOR COMFORTABLY TRANSPORTING THE PATIENT™ The present invention discloses an apparatus for transporting patients who require medical care. In an aspect of the present invention there is provided a stretcher having spring/ shock absorber so that the shocks/jerks while attendants are carrying a patient or keeping the stretcher down could be minimised.

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042601 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : BAMBOO BASKET WEAVING MACHINE

(51)

International :B27J0001020000,B21F0027120000,A47J0037120000,F01D0005280000,D06F0043000000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name

of priority :NA  
country

(86)

International

Application :NA

No :NA  
Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA

Number :NA  
Filing

Date

(62)

Divisional to

Application :NA

Number :NA  
Filing

Date

(57) Abstract :

**ABSTRACT** A BASKET WEAVING MACHINE The present Invention relates to a machine for weaving naturally occurring pliable materials into baskets of different sizes. An efficient machine useful for weaving naturally occurring pliable materials where strips of naturally occurring pliable materials are wound uniformly and are interlaced at right angles to form a basket and its method of operation thereof. More particularly the weaving machine uses bamboo strips to make baskets and the corresponding method for obtaining the basket using the machine. However, the scope of the Invention is not limited to its use for weaving bamboo strips only rather it can be used for weaving the naturally occurring pliable materials into baskets of different sizes also.

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

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(12) PATENT APPLICATION PUBLICATION

(21) Application  
No.201831042653 A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date :  
15/05/2020

(54) Title of the invention : A SINGLE MULTIPURPOSE GEOMETRIC INSTRUMENT

(51)  
International :G01B0003560000,A61B0017800000,B65B0003020000,G02B0006020000,B43L0007027000  
classification  
(31) Priority  
Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name  
of priority :NA  
country  
(86)  
International  
Application :NA  
No :NA  
Filing  
Date  
(87)  
International : NA  
Publication  
No  
(61) Patent  
of Addition  
to  
Application :NA  
Number :NA  
Filing  
Date  
(62)  
Divisional to  
Application :NA  
Number :NA  
Filing  
Date

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**2)Umashankar Sahu**  
(72)Name of Inventor :  
**1)Antareep Roy**  
**2)Sushil Sahu**

(57) Abstract :

**ABSTRACT** A multipurpose geometrical instrument comprises a triangular body that comprises a first portion, a second portion, and a third portion. The triangular body indicates at least one predetermined angle. The first section of the triangular body is a side of the triangular body and the side is perforated with multiple holes in a linear direction. A first hole is selected as a fixing point and a second hole is selected at a predetermined distance to be used as a movable point to draw an arc. The second section of the triangular body is adjacent to the perforated side and the second section is calibrated linearly to check linear measurements. The third section of the triangular body is semicircular portion drawn on the triangular body. The semicircular portion is angularly calibrated with respect to a centre of the semicircular portion to define angles and is configured to measure angles.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201831042671  
A

(19) INDIA

(22) Date of filing of Application :13/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : A PROCESS FOR DISMANTLING A HIGH-SPEED INTEGRATED MOTOR SPINDLE (HSM)  
SPINDLE

(51)

International :B23B0031020000,E05B0035000000,B25B0021000000,B25F0005000000,B60R0025021000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA

No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to  
Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention relates to a process for dismantling a high-speed integrated motor spindle (hsm) spindle. During dismantling of the spindle (7), it is seen that front chuck cannot be opened without holding the rear shaft of the spindle. Therefore, the structure/dimensions of the rear side locking tools were decided accordingly. It was decided to have bar like structure having a hole in middle, of the size of the diameter of rear shaft of spindle (7). To hold the shaft, it was decided to utilize the slit on the shaft of spindle by inserting a key (tool no. 17) to lock the rear side locking toll (tool no. 16). This key goes into the slit on the rear shaft through the slit at middle of tool no. 16. To provide additional holding torque, a cylindrical hole at side of tool no. 16 is made. By inserting a rod into this cylindrical hole, additional torque can be provided to hold the rear shaft. Levering action from rear side can also be provided from this rod if needed. After locking the rear shaft with rear side shaft locking tool 16 and key 17 to lock shaft with rear side locking tool, affix the front side chuck nut locking tool 18 with dowel pins 19 and the plurality of bolts 29. Now by applying the levering action on the both side fixed tools, the front chuck nut can be removed. FIGURE 11

No. of Pages : 23 No. of Claims : 3

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**1)NAVIN KAUL  
2)PRAVEEN KUMAR SINGH  
3)KUNDAN SINGH  
4)JITENDRA KUMAR SHARMA  
5)SUDAM KUMAR SAHOO**

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/11/2018

(21) Application  
No.201831042723 A

(43) Publication Date :  
15/05/2020

(54) Title of the invention : ARRANGEMENT FOR SETTING OF GUIDE VANES IN FRANCIS & KAPLAN TURBINE MODELS

(51)

International :F01D0017160000,F01D0009040000,F03B0003180000,F01D0005140000,F03B0003020000  
classification

(31) Priority

Document :NA

No

(32) Priority :NA  
Date

(33) Name  
of priority :NA  
country

(86)

International

Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent  
of Addition

to

Application :NA  
Number :NA

Filing

Date

(62)

Divisional to

Application :NA  
Number :NA

Filing

Date

(57) Abstract :

ABSTRACT An arrangement for guiding vanes of Francis/Kaplan turbine in a model assembly comprising, special flat (1), guide vane with flat mating faces (2) on trunnion, screws (4) for connecting special flat with guide vane, guide vane lever (3) wherein, guide vane lever (3) and guide vane are positively locked with each other through the special flat.

No. of Pages : 12 No. of Claims : 3

(71)Name of Applicant :  
**1)BHARAT HEAVY  
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2)Sachin Kumar  
Tripathi  
3)Saurabh Sharma  
4)Himanshu Shukla  
5)Anees Ahmed**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201831042745 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : NATURAL FIBER/GLASS FIBER HYBRID COMPOSITES

(51) International :B32B0005260000,B32B0005020000,A61L0027480000,  
classification B32B0003060000,C08J0005040000  
(31) Priority Document :NA  
No  
(32) Priority :NA  
Date  
(33) Name of priority :NA  
country  
(86) International Application :NA  
No :NA  
Filing Date  
(87) International : NA  
Publication No  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date  
(62) Divisional to Application :NA  
Number :NA  
Filing Date

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(72) **Name of Inventor :**  
**1)NAYAK, Ramesh Kumar**  
**2)SAHOO, Subham Kumar**  
**3)KONAI, Sukalyan**

(57) Abstract :

The present disclosure relates to hybrid composites comprising natural fiber material reinforced with glass fiber material affixed with polymer. The present disclosure provides a hybrid composite comprising one or more jute fiber material layer(s), one or more bamboo fiber material layer(s), and one or more glass fiber material layer(s), disposed in parallel relations and interspersed with polymer in between said layers, in which one or more jute fiber material layer(s), one or more bamboo fiber material layer(s), and one or more glass fiber material layer(s) together comprise about 15% to about 40% by weight of the hybrid composite and polymer comprise about 60% to about 85% by weight of the hybrid composite. The hybrid composites in accordance with the present disclosure with enhanced mechanical properties are amenable to use in automotive, railway and infrastructure applications.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201831042876 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD, APPARATUS AND SYSTEM FOR ANALYZING SENTIMENTS AND PROVIDING USER PROFILE SERVICE

(51) International :H04L0029080000,G06Q0030020000,H04N0021218000,  
classification G06F0017270000,G06F0003048000

(31) Priority Document :NA  
No

(32) Priority :NA  
Date

(33) Name of priority :NA  
country  
(86)

International Application :NA  
No :NA

Filing Date

(87) International : NA  
Publication No

(61) Patent of Addition

to Application :NA  
Number :NA

Filing Date

(62) Divisional to Application :NA  
Number :NA

Filing Date

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(72)Name of Inventor :

1)SRIVASTAVA, Amit

2)BOGI REDDY, Siva Rama Krishna Reddy

(57) Abstract :

A method, an apparatus and a system for analyzing sentiments and providing user profile service are disclosed. This system involves a sentiment analyzer (101) and a user profile service (104). The sentiment analyzer (101) running on a plurality of user devices (1, 2, ..., n), processes all events occurring across all user devices pertaining to user activities and builds a sentiment score (1107) for each user towards various features. The user profile service (104) receives non private user profile data from each sentiment analyzer (101) and processes this data to derive commonalities across a plurality of users. This user profile service (104) has another interface (105) to integrate with rest of the cloud servers or services. Fig. 1

No. of Pages : 40 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201831042890 A

(19) INDIA

(22) Date of filing of Application :14/11/2018

(43) Publication Date : 15/05/2020

(54) Title of the invention : SYSTEM FOR FAST AND IMPROVED DENOISING AND CONTRAST ENHANCEMENT OF TOMOGRAPHIC IMAGERY AND A METHOD THEREOF

(51) International :G06T000500000,G06F0003041000,G06F0003010000,  
classification G06T000550000,H04N0007180000

(31) Priority Document :NA  
No

(32) Priority :NA  
Date

(33) Name of priority :NA  
country

(86) International Application :NA  
No :NA

Filing Date

(87) International : NA  
Publication No

(61) Patent of Addition

to Application :NA  
Number :NA

Filing Date

(62) Divisional to Application :NA  
Number :NA

Filing Date

(71)Name of Applicant :

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Address of Applicant :Sponsored Research & Industrial Consultancy, Indian Institute of Technology, Kharagpur Kharagpur West Bengal India 721302 West Bengal India

(72)Name of Inventor :

1)Ch V Sai Praveen  
2)Prof. Cheruvu Siva Kumar

(57) Abstract :

ABSTRACT Title: SYSTEM FOR FAST AND IMPROVED DENOISING AND CONTRAST ENHANCEMENT OF TOMOGRAPHIC IMAGERY AND A METHOD THEREOF. The present invention discloses a system for denoising and enhancing contrast of tomograph generated images comprising of an input interfacing means adapted to communicate with output of any tomograph, a image processor having an operative communication with the tomograph output through said input interfacing means to receive the tomograph generated image, said image processor embodies parameter controlled image operators for processing of the tomograph generated image and providing an enhanced and denoised version of the same, and an output interfacing means for transferring the denoised and the enhanced tomograph image from the image processor to user<sup>TM</sup>s display.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201834049762 A

(19) INDIA

(22) Date of filing of Application :28/12/2018

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : ZAID POWER

(51) International :B05B000700000,H02K0009190000,C23C0014560000,  
classification B01D000100000,A61Q0009040000

(71) Name of Applicant :

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(72) Name of Inventor :

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(31) Priority Document :P-311/18

No

(32) Priority Date :12/11/2018

(33) Name of priority :Bangladesh  
country

(86)

International Application :NA  
No :NA

Filing

Date

(87)

International : NA  
Publication

No

(61) Patent of Addition

to Application :NA  
Number :NA

Filing

Date

(62)

Divisional to Application :NA  
Number :NA

Filing

Date

(57) Abstract :

The present invention involves manufacturing of a machine capable of converting any liquid element to gas, wherein the gas is converted from mixed air with liquid state through heavy pressure to air.

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No. of Pages : 7 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201934004040 A

(19) INDIA

(22) Date of filing of Application :01/02/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : IMAGING OPTICAL SYSTEM, IMAGE CAPTURING UNIT AND ELECTRONIC DEVICE

(51) International classification :G02B001300000,G02B0009620000,G02B0013180000, G02B002700000,G02B0027640000  
(31) Priority Document :107139817  
No  
(32) Priority Date :09/11/2018  
(33) Name of priority country :Taiwan  
/region  
(86) International Application :NA  
No :NA  
Filing Date  
(87) International Publication : NA  
No  
(61) Patent of Addition to Application :NA  
Number :NA  
Filing Date  
(62) Divisional to Application :NA  
Number :NA  
Filing Date

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No. of Pages : 126 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201934045491 A

(19) INDIA

(22) Date of filing of Application :08/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : METHOD OF TREATING A WORKPIECE SURFACE

(51) International :B24B0029000000,B24D0013100000,A46B0013000000, classification B05D0003120000,F02M0051040000  
(31) Priority Document :102018128269.9  
No  
(32) Priority :12/11/2018  
Date  
(33) Name of priority :Germany  
country  
(86)  
International Application :NA  
No :NA  
Filing Date  
(87)  
International : NA  
Publication No  
(61) Patent of Addition to  
Application :NA  
Number :NA  
Filing Date  
(62)  
Divisional to Application :NA  
Number :NA  
Filing Date

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(72)Name of Inventor :

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No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201934045867 A

(19) INDIA

(22) Date of filing of Application :11/11/2019

(43) Publication Date : 15/05/2020

(54) Title of the invention : TELEHANDLER WITH CONTROL SYSTEM

(51) International classification :B66F0009065000,B25J0009160000,H04W0040240000,  
E02F0009220000,F02D0041260000  
(31) Priority Document :102018000010234  
No  
(32) Priority Date :12/11/2018  
Name of priority :Italy  
country  
(86) International Application :NA  
No :NA  
Filing Date  
(87) International Publication No : NA  
Application :NA  
Number :NA  
Filing Date  
(62) Divisional Application :NA  
Number :NA  
Filing Date

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(72) Name of Inventor :

1)IOTTI Marco

(57) Abstract :  
The self-propelled operating machine (1) is equipped with movable elements (10, 11, 13) which include a lifting arm (10) having an apparatus (13) and equipped with a plurality of actuators (20, 21, 22, 23) designed to actuate movements of the moving elements (10, 11, 13). The machine comprises a control system which includes a processing unit (3) which comprises a control module (31) configured for producing control signals designed for adjusting the operation of the actuators (20, 21, 22, 23) on the basis of one or more spatial limiting parameters. One or more of the limiting parameters is a function of spatial constraints for the movements of the above-mentioned elements.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/10/2019

(21) Application No.201937042905 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD AND WIRELESS DEVICE FOR DETERMINING SEARCH SPACE

---

(51) International classification	:H04L 27/26
(31) Priority Document No	:201711108175.4
(32) Priority Date	:10/11/2017
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/115093
Filing Date	:12/11/2018
(87) International Publication No	:WO 2019/091479
(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)ZHANG, Xu

(57) Abstract :

The present application relates to the technical field of communications and disclosed thereby is a method for determining a search space using a wireless device which is used for solving the problem in which an existing method for determining a search space is not able to be applied to a future evolved network. The method comprises: acquiring a second parameter as well as a first parameter corresponding to a control resource set wherein the first parameter is a positive integer not equal to 39827 39829 and 65537 and the second parameter is equal to 65537 or is a prime number not equal to 65537; and determining a search space of the control resource set according to the first parameter and the second parameter. The present application is applicable to the process of determining a search space.

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/10/2019

(21) Application No.201937043134 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : BEAM CONFIGURATION METHOD AND DEVICE

(51) International classification	:H04W 64/00,H04B 7/06	(71) <b>Name of Applicant :</b> <b>1)HUAWEI TECHNOLOGIES CO., LTD.</b> Address of Applicant :Huawei Administration Building Bantian, Longgang District Shenzhen, Guangdong 518129 China
(31) Priority Document No	:201711164925.X	
(32) Priority Date	:17/11/2017	
(33) Name of priority country	:China	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/CN2018/115244	<b>1)GUAN, Peng</b>
Filing Date	:13/11/2018	<b>2)QIN, Yi</b>
(87) International Publication No	:WO 2019/096129	<b>3)LIU, Jianqin</b>
(61) Patent of Addition to Application Number	:NA	<b>4)JIANG, Peng</b>
Filing Date	:NA	<b>5)ZHANG, Di</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed in the embodiments of the present application are a beam configuration method and device which facilitates a network device using a second beam transmission signal corresponding to a first beam when a terminal uses a first beam transmission signal configured by the network device; for example the first beam and a second beam belong to the same beam pair which thereby improves signal transmission efficiency. The method may comprise: a network device sending beam configuration information to a terminal wherein the beam configuration information is used to indicate to the terminal to use a first beam transmission signal; the terminal after successfully receiving the beam configuration information sends an acknowledgement (ACK) message to the network device and uses the first beam transmission signal when a preset duration that starts from the sending of the ACK message to the network device is reached; and the network device receives the ACK message and uses a second beam transmission signal corresponding to the first beam when a preset duration that starts from the receiving of the ACK message is reached.

No. of Pages : 61 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2019

(21) Application No.201937043565 A

(43) Publication Date : 15/05/2020

---

(54) Title of the invention : METHOD AND APPARATUS FOR CARRYING OUT DRIVING CONTROL ON VEHICLE

(51) International classification	:B60W 30/09,B60W 30/14	(71) <b>Name of Applicant :</b> <b>1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED</b> Address of Applicant :35/F, Tencent Building Kejizhongyi Road, Midwest District of Hi-tech Park, Nanshan District Shenzhen, Guangdong 518057 China
(31) Priority Document No	:201710818341.3	
(32) Priority Date	:12/09/2017	
(33) Name of priority country	:China	
(86) International Application No Filing Date	:PCT/CN2018/105321 :12/09/2018	
(87) International Publication No	:WO 2019/052487	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	<b>1)WANG, Bin</b>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method and apparatus for carrying out driving control on a vehicle belonging to the field of intelligent transportation. The method comprises: according to a driving speed of a front vehicle a distance between the present vehicle and the front vehicle and a pre-set expected collision time determining a limited driving speed of the front vehicle with regards to the present vehicle and determining other limited driving speeds of the present vehicle according to road attribute information about a current location (101); determining a comprehensive limited driving speed of the present vehicle according to the limited driving speed of the front vehicle with regards to the present vehicle and the other limited driving speeds (102); and carrying out driving control based on the comprehensive limited driving speed (103) so that the driving safety can be improved.

No. of Pages : 26 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2019

(21) Application No.201937043566 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : DECAPEPTIDE-12 MODULATION OF SIRTUIN GENE EXPRESSION IN EPIDERMAL KERATINOCTYE PROGENITORS

(51) International classification	:C07K 7/06,A61K 38/08	(71) <b>Name of Applicant :</b> <b>1)ESCAPE THERAPEUTICS, INC.</b> Address of Applicant :3800 Geer Road, Suite 200 Turlock, CA 95382 U.S.A.
(31) Priority Document No	:62/479248	
(32) Priority Date	:30/03/2017	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/US2018/025450 :30/03/2018	<b>1)HANTASH, Basil, M.</b> <b>2)UBEID, Anan, Abu</b>
(87) International Publication No	:WO 2018/183882	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Recent reports detail the pleiotropic roles sirtuins play in repressing premature aging delaying cellular senescence enhancing longevity and ameliorating a wide range of aging disorders. Herein we report our findings on the potent sirtuin activator decapeptide-12 and compare its performance to the well documented oxyresveratrol. Treatment of human epidermal keratinocyte progenitors with 100 µM decapeptide-12 increased transcription of SIRT1 by 141 ±11 percent relative to control cells whereas levels of SIRT3 SIRT6 and SIRT7 were increased by 121± 13 percent 147± 8 percent and 95.4 ±14 percent respectively. Decapeptide-12 upregulated sirtuin transcription to similar levels as oxyresveratrol but with reduced cytotoxicity.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2019

(21) Application No.201937043567 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD AND APPARATUS FOR SETTING AND TRANSMITTING RESOURCE UNIT

(51) International classification	:H04W 72/04,H04L 5/00	(71) <b>Name of Applicant :</b> <b>1)HUAWEI TECHNOLOGIES CO., LTD.</b> Address of Applicant :Huawei Administration Building, Bantian, Longgang District Shenzhen, Guangdong 518129 China
(31) Priority Document No	:201710458546.5	
(32) Priority Date	:16/06/2017	
(33) Name of priority country	:China	
(86) International Application No	:PCT/CN2018/090258	(72) <b>Name of Inventor :</b>
Filing Date	:07/06/2018	<b>1)ZHANG, Xi</b>
(87) International Publication No	:WO 2018/228268	<b>2)XU, Minghui</b>
(61) Patent of Addition to Application Number	:NA	<b>3)HUANG, Huang</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are a method and apparatus for setting and transmitting a resource unit. The method comprises: a transmitting end device setting according to a setting threshold and/or a scheduling parameter of a vacant resource unit a plurality of vacant resource units at associated time domain and/or frequency domain positions of phase tracking reference signal resource units of one or more OFDM symbols; and the transmitting end device sending the one or more OFDM symbols. Also disclosed is a corresponding apparatus. By means of the technical solution of the present application a vacant resource unit is set according to a setting threshold and/or a scheduling parameter of a vacant resource unit so that the demodulation accuracy of a high frequency communication system is ensured and the overhead of the vacant resource unit is made as low as possible thereby improving the spectral efficiency.

No. of Pages : 33 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2019

(21) Application No.201937043577 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : MARINE PROTEIN HYDROLYSATE COMPOSITIONS WITH REDUCED MALODOR

(51) International classification	:A23L 27/00,A23L 33/18,A23J 3/30,A23J 3/34,C12P 21/06	(71) <b>Name of Applicant :</b> <b>1)FIRMENICH SA</b> Address of Applicant :1, route des Jeunes P.O. Box 239 1211 GENEVA 8 Switzerland
(31) Priority Document No	:62/507961	(72) <b>Name of Inventor :</b>
(32) Priority Date	:18/05/2017	<b>1)NORMAND, Valery</b>
(33) Name of priority country	:U.S.A.	<b>2)SHCHERBAKOV, Denis</b>
(86) International Application No Filing Date	:PCT/EP2018/062451 :15/05/2018	<b>3)BANAVARA, Dattatreya</b>
(87) International Publication No	:WO 2018/210788	<b>4)ZHANG, Jian</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The aspects presented herein provide methods and compositions for the reduction or suppression of marine protein hydrolysate malodor by employing rice extract and/or a solid acid preferably selected from malic acid tartaric acid and citric acid.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2019

(21) Application No.201937043606 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD AND APPARATUS FOR COMMUNICATION IN WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W 28/06,H04W 28/02
(31) Priority Document No	:10-2017-0055205
(32) Priority Date	:28/04/2017
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2018/004772 :25/04/2018
(87) International Publication No	:WO 2018/199609
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

1)SAMSUNG ELECTRONICS CO., LTD.

Address of Applicant :129, Samsung-ro, Yeongtong-gu  
Suwon-si, Gyeonggi-do 16677 Republic of Korea

(72)**Name of Inventor :**

1)JIN, Seungri

2)KIM, Soenghun

3)KIM, Sangbum

4)KIM, Donggun

5)JANG, Jaehyuk

(57) Abstract :

The present disclosure relates to a communication method and system for converging a 5th-Generation (5G) communication system for supporting higher data rates beyond a 4th-Generation (4G) system with a technology for Internet of Things (IoT). The present disclosure may be applied to intelligent services based on the 5G communication technology and the IoT-related technology such as smart home smart building smart city smart car connected car health care digital education smart retail security and safety services. An embodiment of the present disclosure relates to a method and an apparatus for transmitting data in a next-generation mobile communication system.

No. of Pages : 73 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2019

(21) Application No.201937043608 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : AUDIO PROCESSOR SYSTEM METHOD AND COMPUTER PROGRAM FOR AUDIO RENDERING

(51) International classification	:H04S 7/00,H04R 5/02
(31) Priority Document No	:17169333.6
(32) Priority Date	:03/05/2017
(33) Name of priority country	:EPO
(86) International Application No Filing Date	:PCT/EP2018/000114 :23/03/2018
(87) International Publication No	:WO 2018/202324
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)FRAUNHOFER-GESELLSCHAFT ZUR F-RDERUNG  
DERANGEWANDTEN FORSCHUNG E.V.**

Address of Applicant :Hansastra 27 c 80686 M/¼nchen  
Germany

(72)**Name of Inventor :**

**1)WALTHER, Andreas  
2)HERRE, Jurgen  
3)FALLER, Christof**

(57) Abstract :

An audio processor configured for generating for each of a set of one or more loudspeakers a set of one or more parameters which determine a derivation of a loudspeaker signal to be reproduced by the respective loudspeaker from an audio signal based on a listener position and loudspeaker position of the set of one or more loudspeakers. The audio processor is configured to base the generation of the set of one or more parameters for the set of one or more loudspeakers on a loudspeaker characteristic of at least one of the set of one or more loudspeakers.

No. of Pages : 18 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2019

(21) Application No.201937043610 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHOD AND SYSTEM FOR SUPPLYING COMPRESSED AIR TO A VEHICLE AS REQUIRED MORE PARTICULARLY A RAIL VEHICLE

(51) International classification	:B60R 16/08,B60T 17/02,B60L 1/00,B60T 17/22	(71) <b>Name of Applicant :</b> <b>1)KNORR-BREMSE SYSTEME FR SCHIENENFAHRZEUGE GMBH</b> Address of Applicant :Moosacher Str. 80 80809 München Germany
(31) Priority Document No	:10 2017 107 276.4	(72) <b>Name of Inventor :</b>
(32) Priority Date	:05/04/2017	<b>1)ASSMANN, Gert</b> <b>2)STROHMER, Christoph</b> <b>3)PR-BSTL, Martin</b>
(33) Name of priority country	:Germany	
(86) International Application No Filing Date	:PCT/EP2018/058402 :03/04/2018	
(87) International Publication No	:WO 2018/185055	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method and a system for supplying compressed air to a vehicle as required more particularly a rail vehicle wherein at least the primary air requirement of the rail vehicle for operating a pneumatic braking system (3) is covered by a primary air compressor (1) that is connected to a primary tank air line (2) and wherein additional compressed air for operating auxiliary units is generated by at least one electromotive auxiliary air compressor (8) having a lower delivery output than the primary air compressor. When the vehicle is parked only the at least one auxiliary air compressor (8) is used to generate compressed air as required said air being used whilst the vehicle is parked to maintain permanent contact between a current collector (5) that is actuated by a pneumatic actuating drive (9) and an electric supply line (6).

No. of Pages : 13 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/10/2019

(21) Application No.201937043614 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : TITANIUM PHOSPHATE POWDER PRODUCTION METHOD THEREFOR AND WHITE PIGMENT FOR COSMETICS

(51) International classification	:C01B 25/37,A61K 8/29,A61Q 17/04	(71) <b>Name of Applicant :</b> <b>1)FUJIMI INCORPORATED</b> Address of Applicant :1-1, Chiryo 2-chome, Nishibiwajima-cho, Kiyosu-shi, Aichi 4528502 Japan
(31) Priority Document No	:2017-068350	(72) <b>Name of Inventor :</b>
(32) Priority Date	:30/03/2017	<b>1)IWAKUNI Mayumi</b>
(33) Name of priority country	:Japan	<b>2)ASHITAKA Keiji</b>
(86) International Application No Filing Date	:PCT/JP2018/011098 :20/03/2018	<b>3)MIWA Naoya</b>
(87) International Publication No	:WO 2018/180797	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The titanium phosphate powder according to the present invention comprises plate-shaped crystalline particles of titanium phosphate wherein the plate-shaped crystalline particles have an average thickness of not less than 0.01  $\mu\text{m}$  but less than 0.10  $\mu\text{m}$  and an aspect ratio obtained by dividing the average primary particle size of the plate-shaped crystalline particles by the average thickness is not less than 5. In the production method for titanium phosphate powder according to the present invention when titanium phosphate powder comprising plate-shaped crystalline particles of titanium phosphate is produced by reaction of a raw material containing titanium and phosphorus by a hydrothermal synthesis method a mixture of titanium sulfate and phosphoric acid is used as the raw material.

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043699 A

(43) Publication Date : 15/05/2020

(54) Title of the invention : ELECTRICAL HEATING DEVICE IN PARTICULAR WITH PTC EFFECT

(51) International classification	:H05B 3/26,H05B 3/80	(71) <b>Name of Applicant :</b> <b>1)ELTEK S.P.A.</b> Address of Applicant :Strada Valenza, 5A I-15033 Casale Monferrato (Alessandria) Italy
(31) Priority Document No	:102017000048690	
(32) Priority Date	:05/05/2017	
(33) Name of priority country	:Italy	
(86) International Application No Filing Date	:PCT/IB2018/052973 :30/04/2018	
(87) International Publication No	:WO 2018/203207	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An electrical heating device (10) comprises: a first electrode layer (13) made of electrically conductive material a second electrode layer (14) made of electrically conductive material a heating layer (15) made of at least one polymer-based material the heating layer (15) having two opposite major sides a casing (10a) made at least in part of polymer-based electrically insulating material. The first electrode layer (13) and the second electrode layer (14) are each associated at a respective major side of the heating layer (15) with at least one part (15') of the heating layer (15) that is set between the first electrode layer (13) and the second electrode layer (14) in contact with them. The casing (10a) comprises at least one first casing layer (11) and one second casing layer (12) each facing a respective major side of the heating layer (15) and being made at least in part of a polymer-based material. At least one from among the first electrode layer (13) the second electrode layer (14) and the heating layer (15) is prearranged in such a way that at least one part of the polymer-based material of at least one of the first casing layer (11) and the second casing layer (12) adheres to a corresponding part of the polymer-based material of the heating layer (15) at at least one of the opposite major sides of the heating layer (15).

No. of Pages : 50 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043700 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : INTERLEAVING METHOD AND DEVICE

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(51) International classification	:H04L 1/00,H03M 13/27,H03M 13/13
(31) Priority Document No	:201710687854.5
(32) Priority Date	:11/08/2017
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/097782
Filing Date	:31/07/2018
(87) International Publication No	:WO 2019/029397
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

**1)HUAWEI TECHNOLOGIES CO., LTD.**

Address of Applicant :Huawei Administration Building  
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(72)Name of Inventor :

**1)WANG, Guijie**

**2)WANG, Jian**

**3)QIAO, Yunfei**

**4)DU, Yinggang**

(57) Abstract :

The present application relates to the technical field of communications. Disclosed are an interleaving method deinterleaving method and device for increasing randomness of Polar code interleaving. The method comprises: acquiring a bit sequence for interleaving the bit sequence for interleaving comprising L sub-sequences the L sub-sequences comprising S sub-sequence groups the S sub-sequence groups at least comprising a first sub-sequence group and a second sub-sequence group the first sub-sequence group at least comprising 2 sub-sequences the second sub-sequence group at least comprising 1 sub-sequence where L is a positive integer greater than 1; and interleaving the sub-sequences in the first sub-sequence group using a first interleaving method and interleaving the sub-sequences in the second sub-sequence group using a second interleaving method or not interleaving the sub-sequences in the second sub-sequence group.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043702 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : HAIRSTYLING RAZOR AND HAIRSTYLING BLADE

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(51) International classification	:B26B 21/10,B26B 21/12,B26B 21/56
(31) Priority Document No	:10 2017 106 929.1
(32) Priority Date	:30/03/2017
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2018/058073
Filing Date	:29/03/2018
(87) International Publication No	:WO 2018/178235
(61) Patent of Addition to Application Number	:NA :NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(71)Name of Applicant :

1)THE CALLIGRAPHY CUT COMPANY GMBH

Address of Applicant :Bahnhofstrae 30 59302 Oelde Germany

(72)Name of Inventor :

1)BRORMANN, Frank

(57) Abstract :

The invention relates to a hairstyling razor (1) which is used for hairstyling and comprises a handle (10) and a razor head (2) connected to the handle (10). At least one working section (3) is arranged on a longitudinal side (12) of the razor head (2) which working section is set back in relation to an alignment line (120) of the longitudinal side (12). A hairstyling blade (4) having at least one cutting edge (14) is held in the razor head (2) and arranged therein in such a way that in the working section (3) the cutting edge (14) of the hairstyling blade is at least partly exposed and does not protrude beyond the alignment line (120). The razor head (2) comprises a guiding device (5) having at least one contact surface (15) for the hairs to be cut. The contact surface (15) is arranged at least in some sections at an angle of between 16° and 26° to the plane of the hairstyling blade (4) held in the razor head (2) such that the hairs to be cut lie at a defined angle to the cutting edge (14) when the contact surface (15) is applied to the hairs.

No. of Pages : 31 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043703 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : INTERLEAVING METHOD AND INTERLEAVING DEVICE

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(51) International classification	:H04L 1/00
(31) Priority Document No	:201710806792.5
(32) Priority Date	:08/09/2017
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/104653
Filing Date	:07/09/2018
(87) International Publication No	:WO 2019/047928
(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)HUAWEI TECHNOLOGIES CO., LTD.**

Address of Applicant :Huawei Administration Building  
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(72)**Name of Inventor :**

**1)ZHOU, Yue**

**2)WANG, Guijie**

**3)LI, Rong**

**4)DU, Yinggang**

(57) Abstract :

An interleaving method capable of improving error correction performance of polar codes is provided. The method comprises: acquiring a first bit sequence wherein the first bit sequence comprises L bits and L is a positive integer; writing the L bits into an interleaving matrix according to a preset write rule wherein the interleaving matrix comprises C columns and R rows and C and R are positive integers; reading the L bits from the interleaving matrix according to a preset read rule to obtain a second bit sequence wherein the second bit sequence comprises L bits; and sending the second bit sequence.

No. of Pages : 56 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043704 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : INTERLEAVING METHOD AND DEVICE

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(51) International classification

:H04L 1/00

(31) Priority Document No

:201710687842.2

(32) Priority Date

:11/08/2017

(33) Name of priority country

:China

(86) International Application No

:PCT/CN2018/100067

Filing Date

:10/08/2018

(87) International Publication No

:WO 2019/029726

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)HUAWEI TECHNOLOGIES CO., LTD.**

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(72)Name of Inventor :

**1)CHEN, Ying**

**2)ZHANG, Gongzheng**

**3)LUO, Hejia**

**4)QIAO, Yunfei**

**5)LI, Rong**

---

(57) Abstract :

An interleaving method and device used to reduce the complexity of polar code interleaving and a rate matching implementation process. The method comprises: obtaining encoded bits after polar code encoding sorting the encoded bits according to a priority order of an execution rate matching operation and obtaining a first bit sequence the first bit sequence comprising j subsequences j being a positive integer; writing the first bit sequence into an interleaving device of i rows and j columns wherein a bit in a column in the interleaving device contains one subsequence among the j subsequences; reading out bits by column from the interleaving device until M bits are read wherein at least two adjacent columns have opposite readout directions and M is a target code length.

No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043705 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : POLAR CODE ENCODING METHOD AND DEVICE

(51) International classification	:H04L 1/00
(31) Priority Document No	:201710662548.6
(32) Priority Date	:04/08/2017
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2018/097774
Filing Date	:31/07/2018
(87) International Publication No	:WO 2019/024843
(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)HUAWEI TECHNOLOGIES CO., LTD.**

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(72)**Name of Inventor :**

- 1)XU, Chen**
- 2)ZHANG, Gongzheng**
- 3)WANG, Jun**
- 4)WANG, Guijie**
- 5)QIAO, Yunfei**
- 6)DU, Yinggang**

(57) Abstract :

The present application relates to the technical field of communications. Disclosed are a polar code encoding method and device for improving the accuracy of the reliability calculation and ranking for a polar channel. The method comprises: acquiring a first sequence for encoding K bits to be encoded wherein the first sequence containing serial numbers of N polar channels the serial numbers of the N polar channels are ranked in the first sequence according to the reliability of the N polar channels K being a positive integer N being the length of a mother code of the polar code N being a positive integer power of 2 K=N; according to the order of reliability from high to low selecting the serial numbers of K polar channels from the first sequence; placing the bits to be encoded according to the serial numbers of the K polar channels and performing polar code encoding on the bits to be encoded.

No. of Pages : 1541 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043706 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : VEHICLE BODY AND VEHICLE

(51) International classification	:B62D 25/08,B62D 21/15
(31) Priority Document No	:201710210141.X
(32) Priority Date	:31/03/2017
(33) Name of priority country	:China
(86) International Application No Filing Date	:PCT/CN2018/081266 :30/03/2018
(87) International Publication No	:WO 2018/177396
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)GREAT WALL MOTOR COMPANY LIMITED**

Address of Applicant :No. 2266 Chaoyang South Ave  
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(72)**Name of Inventor :**

- 1)XIAO, Jingjie**
- 2)CHEN, Yanyan**
- 3)ZHANG, Mingzhao**
- 4)ZONG, Hui**
- 5)LIU, Zengshou**
- 6)DONG, Siyuan**
- 7)HAN, Xiaoxu**
- 8)LI, Xiaoying**
- 9)WANG, Changyi**
- 10)WEI, Wei**

(57) Abstract :

Disclosed are a vehicle body (10000) and a vehicle. The vehicle body (10000) comprises: front longitudinal beams (300); first supports (601) inner ends of the first supports (601) being connected to outer sides of the front longitudinal beams (300); roof side rails (600) front lower ends of the roof side rails (600) being connected to outer ends of the first supports (601); front longitudinal floor beams (500) front ends of the front longitudinal floor beams (500) being connected to rear ends of the front longitudinal beams (300) and the front longitudinal floor beams (500) being constructed to be of a straight line shape; doorsill beams (800) front ends of the doorsill beams (800) being connected to the rear ends of the front longitudinal beams (300); and rear longitudinal floor beams (900). The rear longitudinal floor beams (900) are respectively connected to rear ends of the front longitudinal floor beams (500) and rear ends of the doorsill beams (800) so that the front longitudinal floor beams (500) the doorsill beams (800) and the rear longitudinal floor beams (900) form a force transfer closed-loop structure. By means of arranging the first supports the front longitudinal floor beams and the doorsill beams a force can be efficiently and quickly absorbed and decomposed and a collision force transferred backwards can be effectively dispersed thus being capable of preventing the vehicle body from being seriously damaged.

No. of Pages : 32 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043707 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : VEHICLE BODY AND VEHICLE

(51) International classification	:B62D 25/08,B62D 21/15	(71) <b>Name of Applicant :</b> <b>1)GREAT WALL MOTOR COMPANY LIMITED</b> Address of Applicant :No. 2266 Chaoyang South Ave Baoding, Hebei 071000 China
(31) Priority Document No	:201710210120.8	
(32) Priority Date	:31/03/2017	
(33) Name of priority country	:China	(72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/CN2018/081267 :30/03/2018	<b>1)WANG, Changyi</b> <b>2)LIU, Zengshou</b> <b>3)ZHANG, Lu</b> <b>4)ZONG, Hui</b> <b>5)LI, Xiaoying</b> <b>6)DONG, Siyuan</b> <b>7)HAN, Xiaoxu</b> <b>8)WEI, Wei</b> <b>9)GUO, Haopeng</b>
(87) International Publication No	:WO 2018/177397	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a vehicle body (10000) and a vehicle. The vehicle body comprises: two A-pillars (100); a front bumper beam (200); two front longitudinal beams (300) front ends of the two front longitudinal beams (300) being respectively connected to the front bumper beam (200) and each front longitudinal beam (300) being connected to the A-pillar (100) at the same side therewith by means of multiple force transmission channels; a cowl panel (400) having a middle cowl panel channel (401) arranged at a lower portion thereof the cowl panel (400) being connected to the two A-pillars (100); an upper cowl panel crossbeam (402) provided at an upper portion of the cowl panel (400); a lower cowl panel vertical column (403) having an upper end connected to the upper cowl panel crossbeam (402) and a lower end extending to the middle cowl panel channel (401); and two front floor longitudinal beams (500) each front floor longitudinal beam (500) having a front end connected to a rear end of the front longitudinal beam (300) at the same side therewith and each front floor longitudinal beam (500) having a linear shape. The arrangement of the multiple force transmission channels enables an applied force to be absorbed and broken up quickly and efficiently thereby effectively dispersing an impact force that is transmitted backwards.

No. of Pages : 34 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043708 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : EXTERNAL DRIVE UNIT FOR AN IMPLANTABLE HEART ASSIST PUMP

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(51) International classification	:A61M 1/10
(31) Priority Document No	:15/482513
(32) Priority Date	:07/04/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2018/058942
Filing Date	:06/04/2018
(87) International Publication No	:WO 2018/185331
(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)ECP ENTWICKLUNGSGESELLSCHAFT MBH**

Address of Applicant :Neuenhofer Weg 3 52074 Aachen  
Germany

(72)**Name of Inventor :**

**1)SCHUMACHER, Jrg**

**2)SPANIER, Gerd**

**3)SIESS, Thorsten**

**4)DASCHEWSKI, Maxim**

**5)WANG, Jim-Po**

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(57) Abstract :

The application relates to an external drive unit (7) for an implantable heart assist pump. The proposed drive unit (7) comprises a motor (35) for driving the heart assist pump wherein the motor (35) is connectable to the heart assist pump via a transcutaneous drive shaft (3). The drive unit (7) further comprises a heat spreader (19) comprising a contact surface configured to contact and/or directly contact and/or lie flat against a skin of a patient. The contact surface is connected or connectable with the motor (35) in a thermally-conductive manner to transfer heat generated by the motor (35) to tissue of the patient.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043709 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : EXTERNAL DRIVE UNIT FOR AN IMPLANTABLE HEART ASSIST PUMP

(51) International classification	:A61M 1/10,A61M 1/12	(71) <b>Name of Applicant :</b> <b>1)ECP ENTWICKLUNGSGESELLSCHAFT MBH</b> Address of Applicant :Neuenhofer Weg 3 52074 Aachen Germany
(31) Priority Document No	:15/482513	
(32) Priority Date	:07/04/2017	
(33) Name of priority country	:U.S.A.	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/EP2018/058941	<b>1)SPANIER, Gerd</b>
Filing Date	:06/04/2018	<b>2)DASCHEWSKI, Maxim</b>
(87) International Publication No	:WO 2018/185330	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The application relates to an external drive unit (7) for an implantable heart assist pump (4). The proposed drive unit (7) comprises a motor housing (51) a transcutaneous drive shaft (3) and a motor (35) for driving the heart assist pump (4). The motor (35) is connectable to the heart assist pump (4) via the drive shaft (3) and the motor (35) is arranged inside the motor housing (51). The drive unit (7) further comprises a catheter (2) surrounding the drive shaft (3) and a purge line (53) for injecting a purge medium into a lumen of the catheter (2) or into a space (41) between the catheter (2) and the drive shaft (3). The purge line (53) is in thermal contact (54 55) with an outer surface of the motor housing (51) and/or with an outer surface of a proximal section (52) of the catheter (2). Due to the thermal contact (54 55) heat may be transferred from the outer surface of the catheter (2) in the proximal section (52) and/or from the outer surface of the motor housing (51) to the purge medium.

No. of Pages : 34 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043710 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : METHODS AND COMPOSITIONS FOR MODIFYING ASSEMBLY-ACTIVATING PROTEIN (APP)-DEPENDENCE OF VIRUSES

(51) International classification	:A61K 35/761,C07K 14/005,C07K 14/075,C12N 15/00,C12N 15/09	(71) <b>Name of Applicant :</b> <b>1)MASSACHUSETTS EYE AND EAR INFIRMARY</b> Address of Applicant :243 Charles Street Boston, Massachusetts 02114 U.S.A. <b>2)THE SCHEPENS EYE RESEARCH INSTITUTE, INC.</b>
(31) Priority Document No	:62/504318	(72) <b>Name of Inventor :</b>
(32) Priority Date	:10/05/2017	<b>1)VANDENBERGHE, Luk H.</b>
(33) Name of priority country	:U.S.A.	<b>2)MAURER, Anna Claire</b>
(86) International Application No	:PCT/US2018/032166	
Filing Date	:10/05/2018	
(87) International Publication No	:WO 2018/209154	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This disclosure describes and demonstrates the utility of a particular sequence motif within an Adeno-associated virus (AAV) capsid protein that enables the assembly-activating protein (AAP)-dependence of the AAV to be modified. Thus this sequence motif can be used to address and alleviate at least one of the bottlenecks encountered in the production of virus vectors. In particular this disclosure describes a minimal motif defined through a novel phenotype-to-phylogeny mapping method that can be used to modify the AAP dependence of a virus.

No. of Pages : 38 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :28/10/2019

(21) Application No.201937043711 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : PRE-CAST SEGMENT FOR TUNNELS AND METHOD FOR PRODUCING AND MONITORING SAID PRE-CAST SEGMENT

(51) International classification	:E21D 11/08	(71) <b>Name of Applicant :</b> <b>1)SAFECERTIFIEDSTRUCTURE TECNOLOGIA S.p.A</b> Address of Applicant :Via Isonzo 34, IV Piano 00198 Roma Italy
(31) Priority Document No	:102017000052365	
(32) Priority Date	:15/05/2017	
(33) Name of priority country	:Italy	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/IB2018/053379	<b>1)MANCINI, Giuseppe</b>
Filing Date	:15/05/2018	
(87) International Publication No	:WO 2018/211414	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Pre-cast segment for a reinforced concrete tunnel comprising an arcuate structure having a reinforcement and a cement agglomerate that is designed to cover structurally repeated annular tunnel segments for modules corresponding to a fraction of the cross section thereof said arcuate structure comprising respective opposite radial faces that lie on planes that are angularly spaced apart from one another and passing through a longitudinal axis of the tunnel respective opposite circumferential faces that lie on surfaces perpendicular to said longitudinal axis and are spaced apart along said longitudinal axis respective opposite longitudinal faces that lie on surfaces that are parallel to said longitudinal axis said radial faces being adapted to be moved towards respective radial faces of adjacent segments in order to form an annular tunnel portion said circumferential faces being adapted to be moved towards respective circumferential faces of adjacent segments in order to form a linear extent of said tunnel along said longitudinal axis and an outer longitudinal face being at a greater distance than an inner longitudinal face from said longitudinal axis is placed in contact with the ground of said tunnel wherein at least one investigation device is embedded in said arcuate structure of said pre-cast segment at a predetermined distance from at least one of said radial circumferential or longitudinal faces so as to detect predetermined structural parameters.

No. of Pages : 30 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2019

(21) Application No.201937043721 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : UPLINK TRANSMISSION POWER CONTROL METHOD AND DEVICE IN WIRELESS CELLULAR COMMUNICATION SYSTEM

(51) International classification	:H04W 52/14,H04W 52/30
(31) Priority Document No	:10-2017-0056413
(32) Priority Date	:02/05/2017
(33) Name of priority country	:Republic of Korea
(86) International Application No Filing Date	:PCT/KR2018/004752 :24/04/2018
(87) International Publication No	:WO 2018/203610
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**

**1)SAMSUNG ELECTRONICS CO., LTD.**

Address of Applicant :129, Samsung-ro, Yeongtong-gu  
Suwon-si, Gyeonggi-do 16677 Republic of Korea

(72)**Name of Inventor :**

**1)CHOI, Seunghoon**

**2)KIM, Youngbum**

**3)KIM, Younsun**

**4)KIM, Taehyoung**

**5)YEO, Jeongho**

(57) Abstract :

Disclosed are: a communication technique for merging with IoT technology a 5G communication system for supporting a data transmission rate higher than that of a 4G system; and a system therefor. The present disclosure can be applied to intelligent services (for example smart home smart building smart city smart car or connected car healthcare digital education retail security and safety-related services and the like) on the basis of 5G communication technology and IoT-related technology. A power control method for uplink transmission in a wireless cellular communication system is disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2019

(21) Application No.201937043723 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : A DEVICE FOR SEPARATING LIQUID FROM A GAS STREAM WITHIN A LIQUID INJECTED COMPRESSOR AND METHOD THEREOF.

(51) International classification	:B01D 45/02,B01D 45/12,B04C 5/28,F04C 29/00,F04C 29/02	(71) <b>Name of Applicant :</b> <b>1)ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP</b> Address of Applicant :Boomsesteenweg 957 2610 Wilrijk Belgium
(31) Priority Document No	:62/490830	(72) <b>Name of Inventor :</b>
(32) Priority Date	:27/04/2017	<b>1)VINCK, Glenn</b>
(33) Name of priority country	:U.S.A.	
(86) International Application No Filing Date	:PCT/IB2018/051851 :20/03/2018	
(87) International Publication No	:WO 2018/197967	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention is directed to a device for separating liquid from a gas stream within a liquid injected compressor said device comprising a first vessel comprising a first bottom plate a first lateral wall comprising an inlet fluidly connected with a compressed gas outlet and a lid comprising an outlet the device further comprising: - a first separation means; - a second separation means; - a third separation means; whereby the device further comprises - an inlet channel being in fluid communication with said inlet said inlet channel comprising a top panel and a bottom panel whereby at least said top panel is creating a slope having the highest point onto the first lateral wall and the lowest point at the opposite end.

No. of Pages : 29 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2019

(21) Application No.201937043725 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : COMPRESSOR SYSTEM WITH TEMPERATURE MONITORING DEVICE CONTROLLABLE IN CLOSED-LOOP AND/OR OPEN-LOOP FASHION

(51) International classification	:F04C 18/16	(71) Name of Applicant :
(31) Priority Document No	:10 2017 107 933.5	1)KNORR-BREMSE SYSTEME FR NUTZFAHRZEUGE GMBH
(32) Priority Date	:12/04/2017	Address of Applicant :Moosacher Str. 80 80809 München Germany
(33) Name of priority country	:Germany	2)HEBRARD, Gilles
(86) International Application No	:PCT/EP2017/073590	3)MARESCOT, Jean-Baptiste
Filing Date	:19/09/2017	4)MELLAR, Jrg
(87) International Publication No	:WO 2018/188768	5)WEINHOLD, Thomas
(61) Patent of Addition to Application Number	:NA	(72) Name of Inventor :
Filing Date	:NA	1)HEBRARD, Gilles
(62) Divisional to Application Number	:NA	2)MARESCOT, Jean-Baptiste
Filing Date	:NA	3)MELLAR, Jrg
		4)WEINHOLD, Thomas

(57) Abstract :

The present invention relates to a compressor system (100 200; 100' 200') of a vehicle in particular of a utility vehicle having at least one compressor (10 10') which has at least one oil sump (22a 22a') and at least one temperature monitoring device (66 166 266; 66a 166b 266c 266d) and having at least one heat exchanger (74 74') wherein the compressor (10 10') the oil sump (22a 22a') the heat exchanger (74 74') and the temperature monitoring device (66 166 266; 66a 166b 266c 266d) are operatively connected wherein furthermore the temperature monitoring device (66 166 266; 66a 166b 266c 266d) has at least one compressor start-up switching state and at least one compressor low-temperature switching state wherein the compressor start-up switching state is assigned to at least one first temperature range of the oil (22 22') and the compressor low-temperature switching state is assigned to at least one second temperature range of the oil (22 22') wherein in the compressor start-up switching state the oil (22 22') flowing out of the compressor (10 10') can be recirculated to said compressor at least via the heat exchanger (74 74') for the purposes of warming the oil (22 22') and in the compressor low-temperature switching state the oil (22 22') flowing out of the compressor (10 10') can be recirculated to said compressor not via the heat exchanger (74 74').

No. of Pages : 34 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/10/2019

(21) Application No.201937043743 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : FLUID LINE COUPLING

(51) International classification	:F16L 37/26
(31) Priority Document No	:2017901707
(32) Priority Date	:09/05/2017
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2018/050424
Filing Date	:09/05/2018
(87) International Publication No	:WO 2018/204974
(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)E I M RESEARCH PTY LTD**

Address of Applicant :PO Box 80 Port Adelaide, South Australia 5015 Australia

(72)Name of Inventor :

**1)BARTOLO, Kevin**

(57) Abstract :

This disclosure relates to a quick coupling connector for fluid lines which is operable by traverse movement of a first and second coupling member. Specifically the coupling includes a first coupling member having a linear cam surface inclined relative to the longitudinal axis of a channel in a body of the first coupling member and a second coupling member including a follower the follower configured to engage the linear cam surface of the first coupling member wherein movement of the follower along the linear cam surface brings the coupling ends of the first and second coupling members into sealing engagement.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/10/2019

(21) Application No.201937044237 A

(43) Publication Date : 15/05/2020

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(54) Title of the invention : POLAR CODING WITH DYNAMIC FROZEN BITS

(51) International classification	:H03M 13/13,H03M 13/25	(71) <b>Name of Applicant :</b> <b>1)HUAWEI TECHNOLOGIES DUESSELDORF GMBH</b> Address of Applicant :Hansaallee 205 40549 Düsseldorf Germany
(31) Priority Document No	:NA	<b>2)TECHNISCHE UNIVERSIT,,T MNCHEN</b>
(32) Priority Date	:NA	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:NA	<b>1)PRINZ, Tobias</b>
(86) International Application No	:PCT/EP2017/059179	<b>2)YUAN, Peihong</b>
Filing Date	:18/04/2017	<b>3)BOECHERER, Georg</b>
(87) International Publication No	:WO 2018/192640	<b>4)KRAMER, Gerhard</b>
(61) Patent of Addition to Application Number	:NA	<b>5)ISCAN, Onurcan</b>
Filing Date	:NA	<b>6)BOEHNKE, Ronald</b>
(62) Divisional to Application Number	:NA	<b>7)XU, Wen</b>
Filing Date	:NA	

(57) Abstract :

The present invention concerns encoding devices and methods and decoding devices and methods wherein an encoding device comprises a first coder FC (31) configured to generate m FC-output- bit-sequences by in m polar coding blocks (31 1 31 2) upon m FC- input-bit-sequences that comprise frozen and unfrozen bits wherein m is larger or equal to two. In an i-th polar coding block of the m polar coding blocks at least one frozen bit is based on at least one unfrozen bit by a dynamic freezing constraint across encoding blocks.

No. of Pages : 20 No. of Claims : 15

**WEEKLY ISSUED FER (DELHI)**

SNO	LOCATION	APPLICATION NUMBER	FER DATE	ADDRESS FOR SERVICE	EMAIL
1	DELHI	10920/DELNP/2015	04/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27 gurgaon,122009,India	remfry-sagar@remfry.com
2	DELHI	1179/DEL/2015	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India. Telephone No. 91-124-280-6100 Telefax No. 91-124-280 6101 E-Mail: remfry-sagar@remfry.com patents@remfry.com	patents@remfry.com
3	DELHI	1183/DEL/2015	04/05/2020 00:00:00	KAN AND KRISHME Attorneys at Law, B-483, KNK House, Meera Bagh, Paschim Vihar, New Delhi-110063, India	knk@kankrishme.com
4	DELHI	1439/DEL/2015	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	patents@remfry.com,remfry-sagar@remfry.com
5	DELHI	201611005837	04/05/2020 00:00:00	S.K. BANSAL M/S UNITED OVERSEAS PATENT FIRM (REGISTERED PATENT AGENTS) 52, SUKHDEV VIHAR MATHURA ROAD NEW DELHI-110025	unitedpatent@unitedipr.com
6	DELHI	201611040999	04/05/2020 00:00:00	S. MAJUMDAR & CO., G-48, LGF, Lajpat Nagar III, New Delhi 110 024, India	del@patentindia.com,cal@patentindia.com
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8	DELHI	201617009254	04/05/2020 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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12	DELHI	201617022518	04/05/2020 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA	remfry-sagar@remfry.com
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14	DELHI	201617028413	04/05/2020 00:00:00	Lall & Sethi Advocates D 17 South Extension II	info@indiaip.com

15	DELHI	201617030712	04/05/2020 00:00:00	De Penning & De Penning 2B, Ground Floor, Solitaire Plaza MG Road, Gurgaon 122002	patent@depenning.com
16	DELHI	201617025721	04/05/2020 00:00:00	B 483 KNK House Meera Bagh Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
17	DELHI	201617026365	04/05/2020 00:00:00	SHARAD VADEHRA A 11 Shubham Enclave Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
18	DELHI	201617031853	04/05/2020 00:00:00	REMFY & SAGAR ATTORNEYS-AT-LAW REMFY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
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20	DELHI	201617037173	04/05/2020 00:00:00	IFAIA Center, S/20-22, Greater Noida Shopping Plaza, UPSIDC-Iv, Plot No. 7/2, Kasna Road, Greater Noida, 201308.	info@khuranaandkhurana.com,docket@khuranaandkhurana.com
21	DELHI	201617037472	04/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
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23	DELHI	201617039099	04/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com
24	DELHI	201617042387	04/05/2020 00:00:00	De Penning & De Penning 2B, Ground Floor, Solitaire Plaza MG Road, Gurgaon 122002	patent@depenning.com,patents@dphauja.com
25	DELHI	201617044295	04/05/2020 00:00:00	CHITRA ARVIND RAJESHWARI & ASSOCIATES AMSOFT BUSINESS CENTRE UNITECH TRADE CENTRE Sector 43 Gurgaon Haryana India.	chitra@ralegal.co.in
26	DELHI	201617044308	04/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
27	DELHI	201711004918	04/05/2020 00:00:00	S. MAJUMDAR & CO., G-48, LGF, Lajpat Nagar III, New Delhi 110 024, India	del@patentindia.com,cal@patentindia.com
28	DELHI	201711043058	04/05/2020 00:00:00	LALL LAHIRI & SALHOTRA Plot No. B-28, Sector-32, Institutional Area, Gurgaon-122 001 (Haryana) India Telephone No.: (0124) 2382202; (0124) 2382203 Fax No.: (0124) 2384898 Mobile: +91 9971726980 E-mail: gpo@lls.in ; patents@lls.in ;	patents@lls.in,gpo@lls.in,patents@rahulchaudhry.com
29	DELHI	201714036325	04/05/2020 00:00:00	Anand & Anand Advocates B-41,Nizamuddin East New Delhi 110013, India	archana@anandanand.com,email@anandanand.com
30	DELHI	201714042616	04/05/2020 00:00:00	REMFY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India. - Telephone No. 91-124-280-6100 Telefax No. 91-124-280 6101 E-mail: remfry-sagar@remfry.com patents@remfry.com	patents@remfry.com,remfry-sagar@remfry.com

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32	DELHI	201717002166	04/05/2020 00:00:00	SHARAD VADEHRA A 11 Shubham Enclave Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
33	DELHI	201717007682	04/05/2020 00:00:00	KRISHNA & SAURASTRI ASSOCIATES LLP 74/F Venus Worli Sea Face	info@khuranaandkhurana.com,patent @krishnaandsaurastri.com
34	DELHI	201717029195	04/05/2020 00:00:00	GROSER & GROSER Patent and Trade Mark Attorneys of D 1/5 DLF Qutab Enclave Phase I Gurgaon INDIA.	kevin@groserandgroser.com
35	DELHI	201717030893	04/05/2020 00:00:00	c/o Lall & Sethi D 17 South Extension II New Delhi 110 049 India	info@indiaip.com
36	DELHI	201717033550	04/05/2020 00:00:00	Anand & Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanandanand.com,archana @anandanandanand.com
37	DELHI	201717033907	04/05/2020 00:00:00	OBHAN & ASSOCIATES N 94 SECOND FLOOR PANCHSHILA PARK NEW DELHI 110017 INDIA	email@obhans.com
38	DELHI	201717025131	04/05/2020 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.	info@khuranaandkhurana.com,docket @khuranaandkhurana.com
39	DELHI	201717045446	04/05/2020 00:00:00	Anand And Anand ADVOCATES B 41 Nizamuddin East New Delhi 110013 India	email@anandanandanand.com
40	DELHI	201717047091	04/05/2020 00:00:00	Anand And Anand ADVOCATES B 41 Nizamuddin East New Delhi 110013 India	email@anandanandanand.com
41	DELHI	201817007196	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009	remfrysagar@remfry.com,remfry- sagar@remfry.com
42	DELHI	201817002149	04/05/2020 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.	info@khuranaandkhurana.com,docket@k huranaandkhurana.com
43	DELHI	201817002301	04/05/2020 00:00:00	KAN AND KRISHME Attorneys at Law A 11 Shubham Enclave Paschim Vihar New Delhi 110063 India	knk@kankrishme.com
44	DELHI	201817003835	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India. Telephone No. 91 124 280 6100 Telefax No. 91 124 280 6101 E mail: remfry sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com
45	DELHI	201817011567	04/05/2020 00:00:00	GROSER And GROSER Patent and Trade Mark Attorneys of D 1/5 DLF Qutab Enclave Phase I Gurgaon INDIA.	kevin@groserandgroser.com

46	DELHI	201817014757	04/05/2020 00:00:00	Anand And Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com
47	DELHI	201811003612	04/05/2020 00:00:00	COL. (DR.) TARUN VERMA C/O ARCHANA SINGH DHARAMPAL SINGH TOKAS, 200/1, MUNIRKA, NEW DELHI-110064.	archana.singhbiotech@gmail.com
48	DELHI	201811005732	04/05/2020 00:00:00	Shardul Amarchand Mangaldas & Co. Amarchand Towers 216, Okhla Industrial Estate, Phase-III, New Delhi- 110020, India	dev.robinson@amsshardul.com
49	DELHI	201811016288	04/05/2020 00:00:00	L. S. DAVAR & CO. PATENTS AND TRADE MARKS ATTORNEY™S 5/1 (1ST FLOOR) KALKAJI EXTENSION NEW DELHI 110 019	lsdavar@ndf.vsnl.net.in,mailsdelhi@1 sdavar.in,delhi@lsdavar.in
50	DELHI	201811016999	04/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001 India	MAIL@LEXORBIS.COM,mail@lex orbis.com
51	DELHI	201814038293	04/05/2020 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
52	DELHI	201914003875	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	patents@remfry.com,remfry- sagar@remfry.com
53	DELHI	201917004134	04/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
54	DELHI	201917005053	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	r.mahesh@remfry.com,remfry- sagar@remfry.com
55	DELHI	201817020281	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	remfry-sagar@remfry.com
56	DELHI	201817015859	04/05/2020 00:00:00	Anand And Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com
57	DELHI	201817018491	04/05/2020 00:00:00	SUBRAMANIAM & ASSOCIATES, Attorneys - at law, 7th Floor, M3M Cosmopolitan, Sector 66, Golf Course Extension Road, Gurugram 122001, National Capital Region, India	sna@sna- ip.com,docket.sna@gmail.com
58	DELHI	201817027957	04/05/2020 00:00:00	SAIKRISHNA & ASSOCIATES ADVOCATES B-140, Sector 51, Noida- 210301, NCR, India	patent@saikrishnaassociates.com,garima @saikrishnaassociates.com
59	DELHI	201817032580	04/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	email@anandanand.com
60	DELHI	201817049212	04/05/2020 00:00:00	D.P AHUJA & Co. Postal Address - DLF STAR TOWER, OFFICE NO. 510, SECTOR-30, GURGAON 122 001 NCR, INDIA	PATENTS@DPAHUJA.COM,patents@ dpahuja.com
61	DELHI	201917013889	04/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	archana@anandanand.com,email @anandanand.com

62	DELHI	2462/DEL/2014	04/05/2020 00:00:00	DR. INDRA DWIVEDY SPS(CONTROLLING OFFICER), IPU, CSIR, NISCAIR BUILDING, 14, SAT SANG VIHAR MARG, NEW DELHI- 110 067, INDIA	csirfer.ipu@niscair.res.in,head.ipu@niscair.res.in
63	DELHI	2257/DEL/2015	04/05/2020 00:00:00	Vikas Asawat Patent & Trade Mark Attorney 3/183, Ganesh Talab, Basant Vihar Kota, Rajasthan Pin 324009 India	vsasawat@gmail.com
64	DELHI	3471/DEL/2014	04/05/2020 00:00:00	AGM(D), Hindustan Aeronautics Limited, Avionics Division, P.O. Korwa, Amethi, Pin-227412, UP, India	agmd.korwa@hal-india.com
65	DELHI	4866/DELNP/2015	04/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029,India	iprdel@lakshmisri.com
66	DELHI	5654/DELNP/2015	04/05/2020 00:00:00	Remfry House, Millenium Plaza , Sec 27, Gurgaon,122009,India	remfry-sagar@remfry.com
67	DELHI	4352/DEL/2015	04/05/2020 00:00:00	Manik Gupta Sagacious IP 303B, Enkay Town Plaza, Block-I, Palam Vihar, Delhi/NCR, India - 122017	info@sagaciousresearch.com
68	DELHI	7469/DELNP/2015	04/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	anandanand@vsnl.com,email@an andanand.com,archana@anandan anand.com
69	DELHI	7137/DELNP/2015	04/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
70	DELHI	7915/DELNP/2015	04/05/2020 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
71	DELHI	835/DEL/2015	05/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15 17, Tolstoy Marg New Delhi -110 001	mail@lexorbis.com,manisha@lexorb is.com
72	DELHI	776/DEL/2015	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India. Telephone No. 91- 124-280-6100 Telefax No. 91-124-280 6101 E-Mail: remfry-sagar@remfry.com <a href="mailto:patents@remfry.com">patents@remfry.com</a>	patents@remfry.com
73	DELHI	724/DEL/2015	05/05/2020 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109, Sector 44, Gurgaon 122003, National Capital Region, India	ipo@knspartners.com
74	DELHI	7144/DELNP/2015	05/05/2020 00:00:00	E 556 GREATER KAILASH II	sna@sna- ip.com,docket.sna@gmail.com
75	DELHI	6377/DELNP/2015	05/05/2020 00:00:00	B 483 KNK House Meera Bagh Paschim Vihar New Delhi 110063 INDIA	knk@kanrishme.com, knk@kankrishme.co m
76	DELHI	454/DEL/2015	05/05/2020 00:00:00	Ms. Kompal Bansal (Patent Agent No. IN/PA/1754) For Corporate Consultants # 5568, Sector 38 West , Chandigarh -160014	corporate.consultants@gmail.com
77	DELHI	5209/DELNP/2015	05/05/2020 00:00:00	D 1/5 DLF Qutab Enclave, Phase I, Gurgaon,India	kevin@groserandgroser.com
78	DELHI	3417/DEL/2013	05/05/2020 00:00:00	SHARDUL AMARCHAND MANGALDAS & CO. ADVOCATES & SOLICITORS AMARCHAND TOWERS 216, OKHLA INDUSTRIAL ESTATE, PHASE-III NEW DELHI- 110020, INDIA	dev.robinson@amarchand.com

79	DELHI	3266/DEL/2015	05/05/2020 00:00:00	K and S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS 4121/B, 6TH CROSS, 19A MAIN, HAL II STAGE (EXTENSION), BANGALORE 560038, KARNATAKA, INDIA.	bangalore@knspartners.com,bpo.mail @ge.com,ajay.panwar@power.alstom .com
80	DELHI	269/DEL/2015	05/05/2020 00:00:00	SATYA PAUL GARG VILLAGE GILL PATTI, SIVIAN ROAD, DISTRICT BATHINDA, PUNJAB- 151001	ktm7888@yahoo.com
81	DELHI	201914016323	05/05/2020 00:00:00	ZeusIP Advocates LLP C-4, Jangpura Extension, New Delhi-110014 India	info@zeusip.com
82	DELHI	201917011724	05/05/2020 00:00:00	K & S PARTNERS Intellectual Property Attorneys, 515-B, Platinum Tower, 5th Floor, Sohna Road, Sector 47, Gurgaon 122002, National Capital Region, India	IPO@KNSPARTNERS.COM,ipo@k nspartners.com
83	DELHI	201917034378	05/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
84	DELHI	201917034734	05/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
85	DELHI	201917035480	05/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
86	DELHI	201917037771	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India	mahua.ray@remfry.com,remfry- sagar@remfry.com
87	DELHI	201917043794	05/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001 India	joginder@lexorbis.com,mail@lexorbi s.com
88	DELHI	201917046701	05/05/2020 00:00:00	ZeusIP Advocates LLP C-4, Jangpura Extension New Delhi 110014	nvarma@zeusip.com,info@zeusip.co m
89	DELHI	201918053651	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Tower A, 8th Floor, Gurgaon 122 009, India	remfry-sagar@remfry.com
90	DELHI	201817040093	05/05/2020 00:00:00	Shardul Amarchand Mangaldas & Co. Amarchand Towers 216, Okhla Industrial Estate, Phase-III, New Delhi- 110020, India	dev.robinson@AMSShardul.com,dev. robinson@amsshardul.com
91	DELHI	201817034019	05/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	email@anandanandanand.com,archana @anandanandanand.com
92	DELHI	201817037140	05/05/2020 00:00:00	Bhatnagar & Associates Patent, Design & Trademark Attorneys 161, Vigyan Vihar Delhi - 110092 India	bhatnagarmp@yahoo.com,bhatnagar- associates@yahoo.com
93	DELHI	201817019731	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
94	DELHI	201817029680	05/05/2020 00:00:00	Mirandah Asia (India) Level 5, Caddie Commercial Tower, Hospitality District, Aerocity, IGI Airport, New Delhi 110 037	india@mirandah.co.in

95	DELHI	201817017778	05/05/2020 00:00:00	SUBRAMANIAM And ASSOCIATES Attorneys at law 7th Floor M3M Cosmopolitan Sector 66 Golf Course Extension Road Gurugram 122001 National Capital Region India	sna@sna-ip.com
96	DELHI	201817018061	05/05/2020 00:00:00	Name D.P AHUJA & Co. Postal Address DLF STAR TOWER, OFFICE NO. 510, SECTOR-30, GURGAON 122 001 NCR, INDIA	patents@dpahuja.com
97	DELHI	201817025959	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
98	DELHI	201917006377	05/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	archana@anandandanand.com,email @anandandanand.com
99	DELHI	201917006471	05/05/2020 00:00:00	Bhatnagar & Associates Patent, Design & Trademark Attorneys 161, Vigyan Vihar Delhi - 110092 India	bhatnagarmp@yahoo.com,bhatnagar_ associates@yahoo.com
100	DELHI	201817001258	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
101	DELHI	201817001675	05/05/2020 00:00:00	LEX IP CARE 212 B Block Unitech Business Zone Nirvana Country Sector 50 Gurgaon 122018 Haryana INDIA	calab@lexipcare.com
102	DELHI	201814043036	05/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India Mobile No: +91 9717990240	archana@anandandanand.com,email @anandandanand.com
103	DELHI	201814045030	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	patents@remfry.com,remfry- sagar@remfry.com
104	DELHI	201814001337	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
105	DELHI	201814006796	05/05/2020 00:00:00	KAN AND KRISHME Attorneys at Law, B-483, KNK House, Meera Bagh, Paschim Vihar, New Delhi-110063, India	knk@kankrishme.com
106	DELHI	201814010415	05/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	archana@anandandanand.com,email @anandandanand.com
107	DELHI	201814017706	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
108	DELHI	201814024557	05/05/2020 00:00:00	KAN AND KRISHME Attorneys at Law, A-11, Shubham Enclave, Paschim Vihar, New Delhi-110063, India	knk@kankrishme.com
109	DELHI	201814028627	05/05/2020 00:00:00	Name D.P AHUJA & Co. Postal Address DLF STAR TOWER, OFFICE NO. 510, SECTOR-30, GURGAON 122 001 NCR, INDIA	patents@dpahuja.com
110	DELHI	201811038133	05/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001 India	mail@lexorbis.com
111	DELHI	201811017480	05/05/2020 00:00:00	Effectual Legal Services, B-55, Sector- 2, Noida-201301 India	amit.yadav@effectualservices.in

112	DELHI	201811006458	05/05/2020 00:00:00	LALL LAHIRI & SALHOTRA Plot No. B-28, Sector-32, Institutional Area, Gurgaon-122 001 (Haryana) India	patents@lls.in,gpo@lls.in,patents@rahulchaudhry.com
113	DELHI	201811006459	05/05/2020 00:00:00	LALL LAHIRI & SALHOTRA Plot No. B-28, Sector-32, Institutional Area, Gurgaon-122 001 (Haryana) India	patents@lls.in,gpo@lls.in,patents@rahulchaudhry.com
114	DELHI	201811009597	05/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001	mail@lexorbis.com
115	DELHI	201811012809	05/05/2020 00:00:00	AVANISH GAUTAM SINGH HOUSE NO.-24, EIDECO GREEN WOOD, GOMTI NAGAR, LUCKNOW, UTTAR PRADESH, PIN-226028	avanish.g.s13@gmail.com
116	DELHI	201817013113	05/05/2020 00:00:00	KAN AND KRISHME Attorneys at Law KNK House A 11 Shubham Enclave Paschim Vihar New Delhi 110063 India	ipo@knspartners.com
117	DELHI	201817013939	05/05/2020 00:00:00	ANUATION 4th And 5th Floor WZ 113/4 Meenakshi Garden Tilak Nagar New Delhi 110018 INDIA Tel.: +91 11 6500 0780 Email: info@anuation.com	info@anuation.com,vishal.bhardwaj@anuation.com
118	DELHI	201817009477	05/05/2020 00:00:00	LEXORBIS 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110 001 India	mail@lexorbis.com
119	DELHI	201817008172	05/05/2020 00:00:00	LEXORBIS 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110 001 India	mail@lexorbis.com
120	DELHI	201817008560	05/05/2020 00:00:00	S&H PARTNERS Office No. 0A126, 43, Galaxy, Residency Road, Bangalore - 560025, Karnataka, India	patent@sandhpartners.com
121	DELHI	201817010130	05/05/2020 00:00:00	ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	email@anandanandanand.com
122	DELHI	201817010191	05/05/2020 00:00:00	REMFRY And SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
123	DELHI	201817010472	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN And SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
124	DELHI	201817011076	05/05/2020 00:00:00	REMFRY And SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
125	DELHI	201817005078	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
126	DELHI	201817005433	05/05/2020 00:00:00	RAJESHWARI And ASSOCIATES AMSOFT BUSINESS CENTRE UNITECH TRADE CENTRE Sector 43 Gurgaon 122 002 Haryana India;	chitra@ralegal.co.in
127	DELHI	201817005642	05/05/2020 00:00:00	S&H PARTNERS Office No. 0A126, 43, Galaxy, Residency Road, Bangalore - 560025, Karnataka, India	patent@sandhpartners.com
128	DELHI	201817006068	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com

129	DELHI	201817006371	05/05/2020 00:00:00	S and H PARTNERS OFFICE NO. 0A126, 43, GALAXY, RESIDENCY ROAD, BANGALORE 560025, INDIA.	patent@sandhpartners.com,mail@lexorbis.com
130	DELHI	201817006441	05/05/2020 00:00:00	INTELLEXIP ADVOCATES DDA SFS Flat No. 59 Sector 4 Pocket 1 Dwarka New Delhi 110078 INDIA	s.kumar@intellexip.com,mail@intellexip.com
131	DELHI	201817006442	05/05/2020 00:00:00	INTELLEXIP ADVOCATES DDA SFS Flat No. 59 Sector 4 Pocket 1 Dwarka New Delhi 110078 INDIA	s.kumar@intellexip.com
132	DELHI	201817002390	05/05/2020 00:00:00	KAN AND KRISHME Attorneys at Law A 11 Shubham Enclave Paschim Vihar New Delhi 110063 India	knk@kankrishme.com
133	DELHI	201817002652	05/05/2020 00:00:00	LEX IP CARE 212 B Block Unitech Business Zone Nirvana Country Sector 50 Gurgaon 122018 Haryana INDIA	calab@lexipcare.com
134	DELHI	201717015159	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys- at-Law, Remfry House, Millennium Plaza, Sector 27, Gurgaon-122009	remfry-sagar@remfry.com
135	DELHI	201717039893	05/05/2020 00:00:00	India IP Partner WZ 113A, Top Floor, Near Subhash Nagar Metro, New Delhi - 110018, INDIA	info@indiaippartner.com,vb@indiaippartner.com
136	DELHI	201717033996	05/05/2020 00:00:00	Lall & Sethi D 17 South Extension II New Delhi 110 049 India	info@indiaip.com
137	DELHI	201717034353	05/05/2020 00:00:00	c/o Lall & Sethi D 17 South Extension II New Delhi 110 049 India	info@indiaip.com
138	DELHI	201717035198	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	patents@remfry.com
139	DELHI	201717036348	05/05/2020 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.	info@khuranaandkhurana.com,docket@khuranaandkhurana.com
140	DELHI	201717007899	05/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
141	DELHI	201717009290	05/05/2020 00:00:00	ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
142	DELHI	201717013237	05/05/2020 00:00:00	K & S Partners 515 B Platinum Tower 5th Floor Sohna Road Sector 47 Gurgaon 122002 National Capital Region India	gurgaon@knspartners.com,ipo@knspartners.com
143	DELHI	201717013388	05/05/2020 00:00:00	BHATNAGAR & ASSOCIATES, 161, VIGYAN VIHAR, NEW DELHI - 110 092	bhatnagarmp@yahoo.com
144	DELHI	201717018433	05/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanandanand.com
145	DELHI	201717002567	05/05/2020 00:00:00	SHARAD VADEHRA A 11 Shubham Enclave Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
146	DELHI	201717002568	05/05/2020 00:00:00	SHARAD VADEHRA A 11 Shubham Enclave Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com

147	DELHI	201714043783	05/05/2020 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.	info@khuranaandkhurana.com,docket@khuranaandkhurana.com
148	DELHI	201711025533	05/05/2020 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.	info@khuranaandkhurana.com,docket@khuranaandkhurana.com
149	DELHI	201617043044	05/05/2020 00:00:00	anovIP 45/1 Floor 3 Corner Market Malviya Nagar New Delhi 110017 INDIA	info@anovip.com
150	DELHI	201617043090	05/05/2020 00:00:00	ANUATION 422 Kakrola Complex Dwarka Mor	mark@anuation.com
151	DELHI	201617040712	05/05/2020 00:00:00	K & S Partners 515 B Platinum Tower 5th Floor Sohna Road Sector 47 Gurgaon 122002 National Capital Region India	ipo@knspartners.com
152	DELHI	201617041342	05/05/2020 00:00:00	SHARAD VADEHRA A 11 Shubham Enclave Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
153	DELHI	201617041591	05/05/2020 00:00:00	Singh and Singh Lall & Sethi D 17 South Extension II New Delhi 110049	info@indiaip.com
154	DELHI	201617039715	05/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave	iprdel@lakshmisri.com
155	DELHI	201617025209	05/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com
156	DELHI	201617023546	05/05/2020 00:00:00	B 10 Ground Floor Vishwakarma Colony M.B. Road New Delhi 110044	desk@patentwire.co.in
157	DELHI	201617021129	05/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
158	DELHI	201617021279	05/05/2020 00:00:00	LEX ORBIS CONSULTING PVT. LTD. 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110001	mail@lexorbis.com,manisha@lexorbis.com
159	DELHI	201617011664	05/05/2020 00:00:00	B 483 KNK House Meera Bagh Paschim Vihar New Delhi 110063 INDIA	knk@kanrishme.com, knk@kankrishme.com
160	DELHI	201617011897	05/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com
161	DELHI	201617012014	05/05/2020 00:00:00	D 1/5 DLF Qutab Enclave Phase I	kevin@groserandgroser.com
162	DELHI	201617012234	05/05/2020 00:00:00	LEX ORBIS CONSULTING PVT. LTD. 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110001	mail@lexorbis.com,manisha@lexorbis.com
163	DELHI	201611037219	05/05/2020 00:00:00	L. S. DAVAR & CO., Patent and Trademarks Attorney, 5/1, (First Floor), Kalkaji Extension, New Delhi- 110 019.	mailinfo@lsdavar.in
164	DELHI	201614012054	05/05/2020 00:00:00	MOHAN VIDHANI Patent Attorney, IN/PA-203 VIDHANI ASSOCIATES 11/12, Upper Ground Floor, West Patel Nagar, New Delhi-110008. Tel. No.45051551 Fax No. 25884140, 25884588 Mobile No. 9811083706 E-mails: ipr@vidhani.com patent@vidhani.com	ipr@vidhani.com

165	DELHI	201611008200	05/05/2020 00:00:00	103 ASHOKA ESTATE BARAKHAMBA ROAD NEW DELHI-110 001	delhi@luthra.com,groy@luthra.com,patents@luthra.com
166	DELHI	1870/DEL/2015	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
167	DELHI	1933/DEL/2015	05/05/2020 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109, Sector 44, Gurgaon, Haryana	ipo@knspartners.com
168	DELHI	1776/DELNP/2015	05/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
169	DELHI	1744/DEL/2015	05/05/2020 00:00:00	Bhatnagar & Associates Patent, Design & Trademark Attorneys 161, Vigyan Vihar Delhi - 110091 India	bhatnagar_associates@yahoo.com,bhatnagarmp@yahoo.com
170	DELHI	11774/DELNP/2015	05/05/2020 00:00:00	D 1/5 DLF Qutab Enclave Phase I Gurgaon, India	kevin@groserandgroser.com
171	DELHI	10163/DELNP/2015	05/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave	IPRDEL@LAKSHMISRI.COM
172	DELHI	1018/DEL/2015	05/05/2020 00:00:00	Bhatnagar & Associates Patent, Design & Trademark Attorneys 161, Vigyan Vihar Delhi - 110091 India	bhatnagar_associates@yahoo.com,bhatnagarmp@yahoo.com
173	DELHI	1444/DEL/2015	06/05/2020 00:00:00	YOGESH DHOBLE HEAD, IPM DIVISION, CSIR, NISCAIR BUILDING, 14, SATSANG VIHAR MARG, NEW DELHI-110 067, INDIA	csirfer.ipu@niscair.res.in,ipmd@vsnl.net
174	DELHI	1735/DEL/2013	06/05/2020 00:00:00	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
175	DELHI	201611011508	06/05/2020 00:00:00	61-63, Dr. Radhakrishnan Salai, Chennai - 600 004. INDIA	iplaw@lawindia.com
176	DELHI	201614002193	06/05/2020 00:00:00	K and S PARTNERS INTELLECTUAL PROPERTY ATTORNEYS 4121/B, 6TH CROSS, 19A MAIN, HAL II STAGE (EXTENSION), BANGALORE 560038, KARNATAKA, INDIA.	bangalore@knspartners.com,bpo.mail@ge.com,ajay.panwar@power.alstom.com
177	DELHI	201614044456	06/05/2020 00:00:00	K&S PARTNERS Intellectual Property Attorneys 515-B, Platinum Tower, 5th Floor, Sohna Road, Sector 47, Gurgaon - 122002, National Capital Region, India Mobile No. +91 8130055293	ipo@knspartners.com
178	DELHI	201617001423	06/05/2020 00:00:00	B 483 KNK House Meera Bagh Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
179	DELHI	201617003138	06/05/2020 00:00:00	Lall & Sethi Advocates D 17 South Extension II	info@indiaip.com
180	DELHI	201617012515	06/05/2020 00:00:00	E 556 GREATER KAILASH II	sna@sna-ip.com,docket.sna@gmail.com,sna.patent@gmail.com
181	DELHI	201617011407	06/05/2020 00:00:00	REMFRY & SAGAR ATTORNEYS- AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com

182	DELHI	201617011410	06/05/2020 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
183	DELHI	201617022566	06/05/2020 00:00:00	REMFRY & SAGAR ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA	remfry-sagar@remfry.com
184	DELHI	201617023267	06/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
185	DELHI	201617040412	06/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
186	DELHI	201617034843	06/05/2020 00:00:00	SHARAD VADEHRA A 11 Shubham Enclave Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
187	DELHI	201617037590	06/05/2020 00:00:00	E 556 GREATER KAILASH II	sna@sna-ip.com,docket.sna@gmail.com
188	DELHI	201617037662	06/05/2020 00:00:00	S/19 22 IFAIA Center Greater Noida Shopping Plaza Site IV Kasna Road Plot 7/2	docket@khuranaandkhurana.com
189	DELHI	201617033384	06/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10, SAFDARJUNG ENCLAVE NEW DELHI 110029, INDIA	iprdel@lakshmisri.com,iprdel@lakshmisri.com
190	DELHI	201617031664	06/05/2020 00:00:00	De Penning & De Penning 2B, Ground Floor, Solitaire Plaza MG Road, Gurgaon - 122002	contactus@depenning.com
191	DELHI	201714044573	06/05/2020 00:00:00	OBHAN & ASSOCIATES N - 94, SECOND FLOOR, PANCHSHILA PARK, NEW DELHI 110017, INDIA	email@obhans.com
192	DELHI	201717002298	06/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanandanand.com
193	DELHI	201717018730	06/05/2020 00:00:00	MIRANDAH ASIA (INDIA) LEVEL 5, CADDIE COMMERCIAL TOWER, HOSPITALITY DISTRICT, AEROCITY, IGI AIRPORT, NEW DELHI 110 037, INDIA	india@mirandah.co.in
194	DELHI	201717024044	06/05/2020 00:00:00	LEXORBIS 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110 001 91 11 23716565 9811161518 91 11 23716556	mail@lexorbis.com
195	DELHI	201717025004	06/05/2020 00:00:00	K&S PARTNERS Intellectual Property Attorneys 515 B Platinum Tower 5th Floor Sohna Road Sector 47 Gurgaon 122002 National Capital Region India Telephone No. +911244708700 Mobile No. +91 8130055293 Fax No. +911244708760 E mail ID ipo@knspartners.com	gurgaon@knspartners.com,ipo@knspartners.com
196	DELHI	201717014216	06/05/2020 00:00:00	REMFRY & SAGAR Remfry House, Millennium Plaza, Sector 27, Near IFFCO Chowk Metro Station, Opposite Huda metro	remfry-sagar@remfry.com
197	DELHI	201717015131	06/05/2020 00:00:00	K & S Partners 515 B Platinum Tower 5th Floor Sohna Road Sector 47 Gurgaon 122002 National Capital Region India	gurgaon@knspartners.com

198	DELHI	201717010276	06/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com
199	DELHI	201717001821	06/05/2020 00:00:00	REMFRY & SAGAR ATTORNEYS- AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
200	DELHI	201717005572	06/05/2020 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.	info@khuranaandkhurana.com,docket @khuranaandkhurana.com
201	DELHI	201717037390	06/05/2020 00:00:00	LALL LAHIRI & SALHOTRA RCY HOUSE Plot No. B 28 Sector 32 Institutional Area Gurgaon 122 001 (Haryana) India	patents@lls.in,patents@rahulchaudhr y.com
202	DELHI	201717040128	06/05/2020 00:00:00	De Penning & De Penning 2B, Ground Floor, Solitaire Plaza MG Road Gurgaon 122002	patent@depenning.com
203	DELHI	201717017033	06/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10, Safdarjung Enclave New Delhi 110029, India	iprdel@lakshmisri.com
204	DELHI	201717028839	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
205	DELHI	201717046567	06/05/2020 00:00:00	OBHAN & ASSOCIATES N 94 SECOND FLOOR PANCHSHILA PARK NEW DELHI 110017 INDIA	email@obhans.com
206	DELHI	201717043940	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
207	DELHI	201717012801	06/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi-110029	iprdel@lakshmisri.com
208	DELHI	201817002751	06/05/2020 00:00:00	Name D.P AHUJA & Co. Postal Address DLF STAR TOWER OFFICE NO. 510 SECTOR 30 GURGAON 122 001 NCR INDIA	patents@dpahuja.com
209	DELHI	201817007761	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
210	DELHI	201817006831	06/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
211	DELHI	201817009196	06/05/2020 00:00:00	Anand And Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com
212	DELHI	201817011831	06/05/2020 00:00:00	KAN AND KRISHME Attorneys at Law A 11 Shubham Enclave Paschim Vihar New Delhi 110063 India	knk@kankrishme.com
213	DELHI	201811022954	06/05/2020 00:00:00	D.P AHUJA & Co. Postal Address DLF STAR TOWER, OFFICE NO. 510, SECTOR-30, GURGAON 122 001 NCR, INDIA	patents@dpahuja.com

214	DELHI	201811026716	06/05/2020 00:00:00	R.K.Dewan & Co. 236 & 237, Vardhman Fashion Mall, Pitampura, New Delhi - 110034. India	dewan@rkewanmail.com
215	DELHI	201811032937	06/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001	mail@lexorbis.com
216	DELHI	201811017356	06/05/2020 00:00:00	Masilamani Law Partners B-25, Sector 92, NOIDA, Uttar Pradesh 201304, India	nitin.masilamani@mlpchambers.com
217	DELHI	201814011377	06/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	archana@anandanand.com,email @anandanand.com
218	DELHI	201814049174	06/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	archana@anandanand.com,email @anandanand.com
219	DELHI	201817001115	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
220	DELHI	201917008093	06/05/2020 00:00:00	Sagacious Research Pvt. Ltd. 502, Enkay Town Plaza I Block, Palam Vihar Gurgaon-122017, Haryana India	vivek.singh@sagaciousresearch.com,i prdocketing@sagaciousresearch.com
221	DELHI	201917008562	06/05/2020 00:00:00	Abhilasha IP RZB-51, BINDAPUR EXT., UTTAM NAGAR, NEW DELHI - 110059	patentm.india@gmail.com,info@abhi shaip.com
222	DELHI	201914003920	06/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	archana@anandanand.com,email @anandanand.com
223	DELHI	201817026991	06/05/2020 00:00:00	SAIKRISHNA & ASSOCIATES ADVOCATES B-140, Sector 51, Noida- 201301, Uttar Pradesh, India	patent@saikrishnaassociates.com,gari ma@saikrishnaassociates.com
224	DELHI	201817027159	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009,India.	remfry-sagar@remfry.com
225	DELHI	201817027841	06/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
226	DELHI	201817027944	06/05/2020 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS A-11 KNK HOUSE, SHUBHAM ENCLAVE, PASCHIM VIHAR, NEW DELHI-110063, INDIA	knk@kankrishme.com
227	DELHI	201817015453	06/05/2020 00:00:00	REMFRY And SAGAR Attorneys at Law Remfry House Millennium Plaza	remfrysagar@remfry.com
228	DELHI	201817031280	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	remfry-sagar@remfry.com
229	DELHI	201817035322	06/05/2020 00:00:00	Anand & Anand Advocates B- 41,Nizamuddin East New Delhi 110013, India	archana@anandanand.com,email @anandanand.com
230	DELHI	201917038942	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India	mahua.ray@remfry.com,remfry- sagar@remfry.com
231	DELHI	201917039961	06/05/2020 00:00:00	SUBRAMANIAM & ASSOCIATES, Attorneys - at law, 7th Floor, M3M Cosmopolitan, Sector 66, Golf Course Extension Road, Gurugram 122001, National Capital Region, India	sna@sna-ip.com

232	DELHI	201917022306	06/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001	joginder@lexorbis.com,mail@lexorbis.com
233	DELHI	201917025342	06/05/2020 00:00:00	SUBRAMANIAM & ASSOCIATES, Attorneys - at law, 7th Floor, M3M Cosmopolitan, Sector 66, Golf Course Extension Road, Gurugram 122001, National Capital Region, India	sna@sna-ip.com,docket.sna@gmail.com
234	DELHI	201917026364	06/05/2020 00:00:00	K&S PARTNERS Intellectual Property Attorneys 515-B, Platinum Tower, 5th Floor, Sohna Road, Sector 47, Gurgaon 122002, National Capital Region, India	IPO@KNSPARTNERS.COM,ipo@knspartners.com
235	DELHI	202017000428	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009,India.	mahua.ray@remfry.com,remfry-sagar@remfry.com
236	DELHI	2145/DEL/2014	06/05/2020 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
237	DELHI	3688/DEL/2014	06/05/2020 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	archana@anandandanand.com
238	DELHI	5114/DELNP/2014	06/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave, NEW DELHI-110029 INDIA	IPRDEL@LAKSHMISRI.COM
239	DELHI	4662/DELNP/2014	06/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27, Gurgaon-122009, India	remfry-sagar@remfry.com
240	DELHI	5885/DELNP/2015	06/05/2020 00:00:00	B 483 KNK House Meera Bagh Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
241	DELHI	6421/DELNP/2014	06/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
242	DELHI	6464/DELNP/2015	06/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27, Gurgaon-122009	remfry-sagar@remfry.com
243	DELHI	40/DEL/2013	06/05/2020 00:00:00	Sandeep Rao [IN/PA -2098] / Chaitanya Wingkar [IN/PA -1532]/ Azurra [IN/PA -1472] C/o General Electric India Technology Centre Pvt Ltd. John F. Welch Technology Center, 122, EPIP Phase 2, Hoodi Village, Whitefield Road, Bangalore 560066, INDIA	sandeeprao21@gmail.com,ccwingkar@gmail.com
244	DELHI	3853/DELNP/2015	06/05/2020 00:00:00	317 Lawyers Chambers High Court of Delhi	patents@ssrana.com
245	DELHI	7482/DELNP/2015	06/05/2020 00:00:00	S/19 22 IFAIA Center Greater Noida Shopping Plaza Site IV Kasna Road Plot 7/2	docket@khuranaandkhurana.com

246	DELHI	7697/DELNP/2015	06/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
247	DELHI	8384/DELNP/2014	06/05/2020 00:00:00	LEX ORBIS CONSULTING PVT. LTD. 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110001	manisha@lexorbis.com
248	DELHI	8970/DELNP/2015	06/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com,archana@anandanand.com
249	DELHI	932/DEL/2013	06/05/2020 00:00:00	L.S. DAVAR & CO., PATENT AND TRADEMARKS ATTORNEY, 5/1, (FIRST FLOOR), KALKAJI EXTENSION NEW DELHI-110 019	delhi@lsdavar.in
250	DELHI	9086/DELNP/2014	06/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27, Gurgaon-122009 India	remfry-sagar@remfry.com
251	DELHI	9949/DELNP/2014	08/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave New Delhi 110029,India	IPRDEL@LAKSHMISRI.COM
252	DELHI	7955/DELNP/2014	08/05/2020 00:00:00	SUBRAMANIAM & ASSOCIATES Attorneys-at-law Central Square, Suite 328, Plaza III, 20 Manoharlal Khurana Marg, Bara Hindu Rao (off Rani Jhansi Road), Delhi-110006	sna@sna-ip.com,docket.sna@gmail.com
253	DELHI	7554/DELNP/2014	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India	remfry-sagar@remfry.com
254	DELHI	7560/DELNP/2014	08/05/2020 00:00:00	MIRANDAH ASIA (INDIA) LEVEL 5, CADDIE COMMERCIAL TOWER, HOSPITALITY DISTRICT, AEROCITY, IGI AIRPORT, NEW DELHI 110 037, INDIA	india@mirandah.co.in,manisha@lexorbis.com
255	DELHI	7450/DELNP/2014	08/05/2020 00:00:00	anovIP 45/1 Floor 3 Corner Market Malviya Nagar New Delhi 110017 INDIA	info@anovip.com
256	DELHI	7412/DELNP/2014	08/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanand.com,archana@anandanand.com
257	DELHI	6827/DELNP/2015	08/05/2020 00:00:00	LEX ORBIS CONSULTING PVT. LTD. 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110001	manisha@lexorbis.com
258	DELHI	7202/DELNP/2014	08/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
259	DELHI	4030/DEL/2015	08/05/2020 00:00:00	B.L.ARYA AMITY UNIVERSITY UTTAR PRADESH SECTOR-125, NOIDA. 201303, INDIA	registrar@amity.edu
260	DELHI	4136/DEL/2015	08/05/2020 00:00:00	SUBRAMANIAM & ASSOCIATES ATTORNEYS-AT-LAW CENTRAL SQUARE, SUITE-328, PLAZA III, 20 MANOHARLAL KHURANA MARG, BARA HINDU RAO, (OFF RANI JHANSI ROAD), DELHI-110006	sna@sna-ip.com,docket.sna@gmail.com,sna.patent@gmail.com
261	DELHI	46/DEL/2013	08/05/2020 00:00:00	RNA, IP ATTORNEYS 401-402, 4th Floor, Suncity Success Tower, Sector - 65, Golf Course Extension Road, Gurgaon - 122 005 National Capital Region (Haryana), India	patents@rnaip.com,info@rnaip.com
262	DELHI	5053/DELNP/2015	08/05/2020 00:00:00	109, Sectore 44 , Gurgaon 122009, National Capital Region , Haryana	ipo@knspartners.com

263	DELHI	2653/DEL/2015	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	patents@remfry.com,remfry- sagar@remfry.com
264	DELHI	2678/DEL/2015	08/05/2020 00:00:00	GLOBAL IPR LAW CONSULTANTS(INDIA) 6457, C6 &7, Vasant Kunj New Delhi-110070	ashish.iprindia@hotmail.com
265	DELHI	3146/DEL/2013	08/05/2020 00:00:00	ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	email@anandandanand.com,archana @anandandanand.com
266	DELHI	2949/DEL/2015	08/05/2020 00:00:00	502/3 type 5 AIIMS RESIDENTIAL COMPLEX AIIMS JODHPUR RAJASTHAN PIN: 342005	jhadeepak2@rediffmail.com,drdeepak jha@gmail.com
267	DELHI	2067/DEL/2015	08/05/2020 00:00:00	1ST FLOOR, C-65, SECTOR-2, NOIDA (U.P.), 201301, INDIA.	ipec@ennobleip.com
268	DELHI	201917027832	08/05/2020 00:00:00	c/o Lall & Sethi, D-17, South Extension II, New Delhi 110 049,India	akhanna@indiaip.com,info@indiaip.c om
269	DELHI	201917034142	08/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
270	DELHI	201917019019	08/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001	rahul@lexorbis.com,mail@lexorbis.c om
271	DELHI	201917024984	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	mahua.ray@remfry.com,remfry- sagar@remfry.com
272	DELHI	201917037676	08/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001	joginder@lexorbis.com,mail@lexorbi s.com
273	DELHI	201917047411	08/05/2020 00:00:00	RAHUL CHAUDHRY & PARTNERS RCY House, C-235, Defence Colony, New Delhi- 110024, India and RCY House, Plot No. B-28, Sector-32, Institutional Area, Gurgaon-122 001 (Haryana) India	mail@rahulchaudhry.com,patents@ra hulchaudhry.com
274	DELHI	201917051223	08/05/2020 00:00:00	SUBRAMANIAM & ASSOCIATES, Attorneys - at law, 7th Floor, M3M Cosmopolitan, Sector 66, Golf Course Extension Road, Gurugram 122001, National Capital Region, India	sna@sna-ip.com
275	DELHI	201917053217	08/05/2020 00:00:00	RAHUL CHAUDHRY & PARTNERS RCY House, C-235, Defence Colony, New Delhi- 110024, India and RCY House, Plot No. B-28, Sector-32, Institutional Area, Gurgaon-122 001 (Haryana) India	mail@rahulchaudhry.com,patents@ra hulchaudhry.com
276	DELHI	201817039512	08/05/2020 00:00:00	SUBRAMANIAM & ASSOCIATES, Attorneys - at law, 7th Floor, M3M Cosmopolitan, Sector 66, Golf Course Extension Road, Gurugram 122001, National Capital Region, India	sna@sna- ip.com,docket.sna@gmail.com
277	DELHI	201817046139	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	ranjna.dutt@remfry.com,remfry- sagar@remfry.com
278	DELHI	201817046184	08/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001	rahul@lexorbis.com,mail@lexorbis.c om

279	DELHI	201817029741	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
280	DELHI	201817029845	08/05/2020 00:00:00	Anand & Anand Advocates B-41, Nizamuddin East New Delhi 110013, India	email@anandanand.com
281	DELHI	201817019874	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	remfry-sagar@remfry.com
282	DELHI	201817028559	08/05/2020 00:00:00	Anand & Anand Advocates B-41, Nizamuddin East New Delhi 110013, India	email@anandanand.com
283	DELHI	201817029102	08/05/2020 00:00:00	GROSER & GROSER, Patent and Trade Mark Attorneys, of D - 1/5 DLF Qutab Enclave, Phase I, Gurgaon, INDIA.	kevin@groserandgroser.com
284	DELHI	201817018565	08/05/2020 00:00:00	ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	email@anandanand.com
285	DELHI	201817020854	08/05/2020 00:00:00	DE PENNING & DE PENNING 2B, GROUND FLOOR, SOLITAIRE PLAZA MG ROAD GURGAON 122002	patent@depenning.com
286	DELHI	201817021791	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	remfry-sagar@remfry.com
287	DELHI	201817022762	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
288	DELHI	201817022911	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
289	DELHI	201817023850	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
290	DELHI	201817024193	08/05/2020 00:00:00	Adastra IP B2-1050-Spaze iTech Park Sohna Road, 122002 Gurgaon, Delhi-NCR India.	rahulbagga@outlook.com, patent@adastraip.com
291	DELHI	201817025008	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, B6/10, Safdarjung Enclave New Delhi 110029 India	iprdel@lakshmisri.com
292	DELHI	201814038492	08/05/2020 00:00:00	Anand & Anand Advocates B-41, Nizamuddin East New Delhi 110013, India	archana@anandanand.com, email@anandanand.com
293	DELHI	201814002907	08/05/2020 00:00:00	WADHWA LAW OFFICES, FIRST FLOOR, IRIS THREE ONE TWO, 312 UDYOG VIHAR PHASE II, GURGAON 122015, INDIA	patent@walaw.in
294	DELHI	201814018744	08/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001 India	MAIL@LEXORBIS.COM, mail@lexorbis.com
295	DELHI	201811038261	08/05/2020 00:00:00	S. MAJUMDAR & CO., 5, Harish Mukherjee Road, Calcutta - 700 025, State of West Bengal, India	cal@patentindia.com
296	DELHI	201811039829	08/05/2020 00:00:00	KRISHNA & SAURASTRI ASSOCIATES LLP 74/F, Venus, Worli Sea Face Mumbai 400 018 India	info@krishnaandsaurastri.com

297	DELHI	201811008715	08/05/2020 00:00:00	DR. SEEMA SONKAR 104/18 SISAMAU KANPUR UP-208012, INDIA	seema07csa@gmail.com
298	DELHI	201817012692	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House at Millennium Plaza, Sector 27 Gurgaon 122 009, India	remfry-sagar@remfry.com
299	DELHI	201817009950	08/05/2020 00:00:00	REMFRY And SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
300	DELHI	201817014374	08/05/2020 00:00:00	REMFRY And SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India. Telephone No. 91 124 280 6100 Telefax No. 91 124 280 6101 E mail: remfry sagar@remfry.com patents@remfry.com	remfrysagar@remfry.com
301	DELHI	201817014999	08/05/2020 00:00:00	Dr. Yogesh Nagpal Winsome Intellectual Property Solutions LLP F 402 Rishi Apartments Zirakpur Punjab 140603. INDIA	patents@winsomeip.com
302	DELHI	201817008372	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law Remfry House Millennium Plaza Sector 27 Gurgaon 122 009 India.	remfry-sagar@remfry.com
303	DELHI	201817003162	08/05/2020 00:00:00	Mirandah Asia (India) Level 5, Caddie Commercial Tower, Hospitality District, Aerocity, IGI Airport, New Delhi 110 037, India	india@mirandah.co.in
304	DELHI	201817003390	08/05/2020 00:00:00	SAIKRISHNA & ASSOCIATES ADVOCATES B 140 Sector 51 Noida 210301 NCR India	patent@saikrishnaassociates.com,gari ma@saikrishnaassociates.com
305	DELHI	201817006450	08/05/2020 00:00:00	Anand & Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanandanand.com
306	DELHI	201717044191	08/05/2020 00:00:00	Anand & Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandanandanand.com
307	DELHI	201718031170	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law Remfry House Millennium Plaza Sector 27, Gurgaon 122 009, India.	patents@remfry.com,remfry- sagar@remfry.com
308	DELHI	201717040190	08/05/2020 00:00:00	SUBRAMANIAM & ASSOCIATES Attorneys at law Central Square Suite 328 Plaza III 20 Manoharlal Khurana Marg Bara Hindu Rao (off Rani Jhansi Road) Delhi 110006 (India) Telephone Nos.: +91 11 30165700 Fax Nos.: +91 11 30165798/30165799 Mobile Nos.: +91 7042499356; 9205965311	sna@sna- ip.com,docket.sna@gmail.com
309	DELHI	201717043066	08/05/2020 00:00:00	De Penning & De Penning 2B, Ground Floor, Solitaire Plaza MG Road Gurgaon 122002	patent@depenning.com
310	DELHI	201717043787	08/05/2020 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.	info@khuranaandkhurana.com

311	DELHI	201717037706	08/05/2020 00:00:00	Shardul Amarchand Mangaldas & Co. Amarchand Towers 216 Okhla Industrial Estate Phase III New Delhi 110020 India	dev.robinson@amsshardul.com
312	DELHI	201717012772	08/05/2020 00:00:00	SHARAD VADEHRA A 11 Shubham Enclave Paschim Vihar New Delhi 110063 INDIA	knk@kankrishme.com
313	DELHI	201717008270	08/05/2020 00:00:00	INTTL ADVOCAREF-252,Lane W/5, Western Avenue, Sainik Farms, New Delhi-110062,INDIA	ipcare@inttladvocare.com,remfry- sagar@remfry.com
314	DELHI	201717008852	08/05/2020 00:00:00	ATTORNEYS-AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
315	DELHI	201717002524	08/05/2020 00:00:00	Remfry House Millenium Plaza Sec 27	remfry-sagar@remfry.com
316	DELHI	201717004258	08/05/2020 00:00:00	REMFRY & SAGAR ATTORNEYS- AT-LAW REMFRY HOUSE MILLENNIUM PLAZA SECTOR 27, GURGAON 122 009, INDIA.	remfry-sagar@remfry.com
317	DELHI	201717000387	08/05/2020 00:00:00	Anand and Anand Advocates B 41 Nizamuddin East New Delhi 110013 India	email@anandandanand.com
318	DELHI	201711027479	08/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001	mail@lexorbis.com
319	DELHI	201711043656	08/05/2020 00:00:00	K&S PARTNERS Intellectual Property Attorneys K & S Partners, Intellectual Property Attorneys 515-B, Platinum Tower, 5th Floor, Sohna Road, Sector 47, Gurgaon India	hyderabad@knspartners.com,ipo@kn spartners.com
320	DELHI	201714016045	08/05/2020 00:00:00	LEXORBIS 709/710, TOLSTOY HOUSE 15-17, TOLSTOY MARG NEW DELHI-110 001	mail@lexorbis.com
321	DELHI	201711018830	08/05/2020 00:00:00	ZeusIP Advocates, H-10, Jangpura Extension New Delhi-110014	info@zeusip.com
322	DELHI	201617033725	08/05/2020 00:00:00	PATENT & TRADEMARK ATTORNEYS E-556, GREATER KAILASH II NEW DELHI 110 048	sna@sna- ip.com,docket.sna@gmail.com
323	DELHI	201617028290	08/05/2020 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109 Sector 44 Gurgaon 122003 National Capital Region India	ipo@knspartners.com
324	DELHI	201617038634	08/05/2020 00:00:00	Anand And Anand B 41 NIZAMUDDIN EAST	email@anandandanand.com
325	DELHI	201617038790	08/05/2020 00:00:00	D 1/5 DLF Qutab Enclave Phase I	kevin@groserandgroser.com
326	DELHI	201617044304	08/05/2020 00:00:00	317 Lawyers Chambers High Court of Delhi	patents@ssrana.com
327	DELHI	201617023836	08/05/2020 00:00:00	LEX ORBIS CONSULTING PVT. LTD. 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110001	mail@lexorbis.com,manisha@lexorbi s.com
328	DELHI	201617023863	08/05/2020 00:00:00	Anand And Anand B 41 NIZAMUDDIN EAST	email@anandandanand.com
329	DELHI	201617031044	08/05/2020 00:00:00	ANAND AND ANAND ADVOCATES B-41, NIZAMUDDIN EAST NEW DELHI 110013, INDIA	email@anandandanand.com

330	DELHI	201617031643	08/05/2020 00:00:00	A2 E CMA Tower IIInd Floor Sector 24	garima@saikrishnaassociates.com,patent@saikrishnaassociates.com
331	DELHI	201617009403	08/05/2020 00:00:00	Anand And Anand B 41 NIZAMUDDIN EAST	email@anandanandanand.com,anandanandanand@vsnl.com
332	DELHI	201617014055	08/05/2020 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109 Sector 44 Gurgaon 122003 National Capital Region India	ipo@knspartners.com
333	DELHI	201617006125	08/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 Safdarjung Enclave	IPRDEL@LAKSHMISRI.COM
334	DELHI	201611020211	08/05/2020 00:00:00	KNOWLEDGENTIA CONSULTANTS, E-71, L.G.F., GREATER KAILASH-1, NEW DELHI-110048	info@knowledgentia.com
335	DELHI	201611009895	08/05/2020 00:00:00	DR.SUJATA SAMTANI HEAD, IPU, CSIR. NISCAIR BUILDING, 14 SATSANG VIHAR MARG, NEW DELHI-110067	csirfer.ipu@niscair.res.in,head.ipu@niscair.res.in
336	DELHI	10674/DELNP/2015	08/05/2020 00:00:00	LEX ORBIS CONSULTING PVT. LTD. 709/710 Tolstoy House 15 17 Tolstoy Marg New Delhi 110001	manisha@lexorbis.com

**WEEKLY ISSUED FER (MUMBAI)**

SNO	LOCATION	APPLICATION NUMBER	FER DATE	ADDRESS FOR SERVICE	EMAIL
1	MUMBAI	201927021698	04/05/2020 00:00:00	R.K.DEWAN & CO. 5TH FLOOR, PODAR CHAMBERS, S A. BRELVI ROAD, FORT, MUMBAI 400001 MAHARASHTRA INDIA	dewan@rkdewanmail.com
2	MUMBAI	201927021699	04/05/2020 00:00:00	R.K.DEWAN & CO. 5TH FLOOR, PODAR CHAMBERS, S A. BRELVI ROAD, FORT, MUMBAI 400001 MAHARASHTRA INDIA	dewan@rkdewanmail.com
3	MUMBAI	201921015118	04/05/2020 00:00:00	Mrs. Gauri N. Bhave Patent Agent IN/PA 520, Chhaya • , Plot No. 42, Sangam Society, Padmavati, Pune- Satara Road, Pune 411037.	advgnbhav@gmail.com,gauri@ipass ist.in
4	MUMBAI	201921015250	04/05/2020 00:00:00	Mrs. Gauri N. Bhave Patent Agent IN/PA 520, Chhaya • , Plot No. 42, Sangam Society, Padmavati, Pune- Satara Road, Pune 411037.	advgnbhav@gmail.com,gauri@ipass ist.in
5	MUMBAI	2205/MUMNP/2015	04/05/2020 00:00:00	Anand & Anand Advocates 57-58 Rajgir Chambers Opp.Old Customs, S.B.S Road Fort Mumbai-400023 Phone No: 022- 22631488/89 Fax No: 022-22631487 E- mail: email@anandanand.com, archana@anandanand.com	email@anandanand.com
6	MUMBAI	2341/MUM/2015	04/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com
7	MUMBAI	201627035826	04/05/2020 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
8	MUMBAI	201627036812	04/05/2020 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
9	MUMBAI	201627036936	04/05/2020 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,hkpatent@hkindia. com
10	MUMBAI	201627022190	04/05/2020 00:00:00	R.K. DEWAN & COMPANY TRADE MARK & PATENT ATTORNEYS 38 PODAR CHAMBERS S.A.BRELVI ROAD FORT MUMBAI 400001 MAHARASHTA	dewan@rkdewanmail.com
11	MUMBAI	201627022249	04/05/2020 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

12	MUMBAI	201627023091	04/05/2020 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
13	MUMBAI	201627023583	04/05/2020 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
14	MUMBAI	201624028475	04/05/2020 00:00:00	LITMUS LEGAL 405, MERCANTILE HOUSE, 15, KASTURBA GANDHI MARG, NEW DELHI-110001	contact@litmuslegal.com,ne.mahabir@gmail.com,patent@litmuslegal.com
15	MUMBAI	201627006659	04/05/2020 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	201627015725	04/05/2020 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	201727042840	04/05/2020 00:00:00	KRISHNA & SAURASTRI ASSOCIATES LLP 74/F Venus Worli Sea Face Mumbai 400 018	info@krishnaandsaurastri.com
18	MUMBAI	201727042891	04/05/2020 00:00:00	KAndS Partners Intellectual Property Attorneys B1 601 6th Floor Marathon NextGen Innova Opposite Peninsula Corporate Park Off G. K. Marg Lower Parel Mumbai 400013 India Telephone No. + 91 (22) 49149700/ 727/ 777 Mobile No. +91 8130055293 Fax No. + 91 (22) 49149701 E mail ID ipo@knspartners.com	ipo@knspartners.com
19	MUMBAI	201727037047	04/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers S A. Brelvi Road Fort Mumbai 400001	dewan@rkewanmail.com
20	MUMBAI	201727038790	04/05/2020 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
21	MUMBAI	201727038940	04/05/2020 00:00:00	CHADHA & CHADHA Advocates Regus Business Center Level 2 Connaught Place Bund Garden Road Pune 411001 Maharashtra India.	info@iprattorneys.com,patents@iprattorneys.com
22	MUMBAI	201727039300	04/05/2020 00:00:00	R.K.Dewan & Co. 5Th Floor Podar Chambers S A. Brelvi Road Fort Mumbai 400001	dewan@rkewanmail.com
23	MUMBAI	201727029662	04/05/2020 00:00:00	Gopakumar Nair Associates ~Shivmangal™ 3rd Floor Near Big Bazaar Akurli Road Kandivali (East) Mumbai 400 101 Maharashtra India. Telephone No.91 22 40895454	gopanair@gnaipr.net

24	MUMBAI	201727031100	04/05/2020 00:00:00	KRISHNA & SAURASTRI ASSOCIATES LLP 74/F Venus Worli Sea Face Mumbai 400 018	info@krishnaandsaurastri.com
25	MUMBAI	201727040002	04/05/2020 00:00:00	CHADHA & CHADHA Advocates Regus Business Center Level 2 Connaught Place Bund Garden Road Pune 411001 Maharashtra India.	info@iprattorneys.com,info@iprattorneys.com,patents@iprattorneys.com
26	MUMBAI	201727040003	04/05/2020 00:00:00	CHADHA & CHADHA Advocates Regus Business Center Level 2 Connaught Place Bund Garden Road Pune 411001 Maharashtra India.	info@iprattorneys.com,patents@iprattorneys.com
27	MUMBAI	201721027500	04/05/2020 00:00:00	SONI & SONI, IIND FLOOR, SANGMITRA, OPP. KESHAV BAUGH, ASOPALAV LANE, SATELLITE, AHMEDABAD - 380015, GUJARAT, INDIA	attorney.ipr@gmail.com,gaurav@my nyx.com
28	MUMBAI	201721037060	04/05/2020 00:00:00	Legasis Partners (Pune), B-105, ICC Trade Tower, Senapati Bapat Road, Pune - 411016, India	ip@legasis.in
29	MUMBAI	201724021540	04/05/2020 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 Telephone No.+ 91 (22) 4914 9700 Mobile No. +91 8130055293 Fax No. + 91 (22) 4914 9701 E-mail ID ipo@knspartners.com	ipo@knspartners.com
30	MUMBAI	201724040227	04/05/2020 00:00:00	R.K.Dewan & Co. 5th Floor Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkewanmail.com,mailroom @rkewanmail.com
31	MUMBAI	201724040651	04/05/2020 00:00:00	R.K.Dewan & Co. 5th Floor Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkewanmail.com,mailroom @rkewanmail.com
32	MUMBAI	201724040985	04/05/2020 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	hkpatent@hkindia.com
33	MUMBAI	201724041655	04/05/2020 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	hkpatent@hkindia.com
34	MUMBAI	201827029985	04/05/2020 00:00:00	CHADHA & CHADHA, Advocates, Regus Business Center, Level 2, Connaught Place, Bund Garden Road, Pune 411001, Maharashtra, India.	info@iprattorneys.com
35	MUMBAI	201827032487	04/05/2020 00:00:00	PLOT No. 12, THANE BELAPUR ROAD, TURBHE, NAVI MUMBAI-400705, MAHARASHTRA, INDIA Mobile no.: +91 7506335637	indian.filing@basf.com
36	MUMBAI	201827027059	04/05/2020 00:00:00	CHADHA & CHADHA, Advocates, Regus Business Center, Level 2, Connaught Place, Bund Garden Road, Pune 411001, Maharashtra, India.	info@iprattorneys.com

37	MUMBAI	201821001208	04/05/2020 00:00:00	MOHAMMED OWAIS FLAT NO.25, ALHILAL NEW DEEP CHS, 6TH FLOOR, BANDRA WEST, RECLAMATION, MUMBAI-400 050, MAHARASHTRA, INDIA.	owais1996@yahoo.co.in
38	MUMBAI	201821013643	04/05/2020 00:00:00	JANI MRUTUNJAY MANISHBHAI PLOT NO. 1205, MADHUVAN AMBAWADI, BHAVNAGAR-364 001, GUJARAT, INDIA.	mrutyunjay.jani@gmail.com
39	MUMBAI	201821014668	04/05/2020 00:00:00	INVEPRAC PRIVATE LIMITED 1/1106, EL CASTILLO, KESNAND ROAD, KESHNAND, PUNE-412 207, MAHARASHTRA, INDIA.	mailajaygoel@gmail.com
40	MUMBAI	201821041457	04/05/2020 00:00:00	Hiren Thakkar & Associates , 603B CENTRAL BUSINESS SPACE, OPP. FORTUNE LANDMARK HOTEL, NR. PARTH RESIDENCY, USMANPURA AHMEDABAD 380013	hirenphthakkar@gmail.com
41	MUMBAI	201827001961	04/05/2020 00:00:00	CHADHA And CHADHA Advocates Regus Business Center Level 2 Connaught Place Bund Garden Road Pune 411001 Maharashtra India.	info@iprattorneys.com,patents@iprattorneys.com
42	MUMBAI	201827007949	04/05/2020 00:00:00	R.K.Dewan And Co. 5th Floor Podar Chambers S A. Brelvi Road Fort Mumbai 400001	dewan@rkewanmail.com
43	MUMBAI	201827014709	04/05/2020 00:00:00	Hindustan Unilever Limited Unilever House B.D. Sawant Marg Chakala Andheri (East) Mumbai 400 099 Maharashtra India	patentgroupnl@unilever.com
44	MUMBAI	201827011428	05/05/2020 00:00:00	Dr. Rajeshkumar H. Acharya Law Office of H K ACHARYA And COMPANY Advocates Patent And Trademark Agents HK Avenue 19 Swastik Society Navrangpura Ahmedabad 380009 INDIA	hkpatent@hkindia.com
45	MUMBAI	201827009351	05/05/2020 00:00:00	R.K.Dewan And Co. Podar Chambers S A. Brelvi Road Fort Mumbai 400001 Maharashtra	dewan@rkewanmail.com
46	MUMBAI	201827010868	05/05/2020 00:00:00	KRISHNA And SAURASTRI ASSOCIATES LLP 74/F Venus Worli Sea Face Mumbai 400 018	info@krishnaandsaurastri.com
47	MUMBAI	201821026895	05/05/2020 00:00:00	R.K.Dewan & Co. 5th Floor Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkewanmail.com,mailroom @rkewanmail.com
48	MUMBAI	201827015123	05/05/2020 00:00:00	ProdyoVidhi C/o Mr. K. Pradeep 101 Tilak Path CMR Point # 101 Narayan Bagh Chaurah INDORE 452007 MP INDIA Phone +91 8989 460 762	ipo@prodyovidhi.com
49	MUMBAI	201827014623	05/05/2020 00:00:00	CHADHA And CHADHA Advocates Regus Business Center Level 2 Connaught Place Bund Garden Road Pune 411001 Maharashtra India.	info@iprattorneys.com,patents@iprattorneys.com

50	MUMBAI	201727007122	05/05/2020 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
51	MUMBAI	201624033777	05/05/2020 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	hkpatent@hkindia.com
52	MUMBAI	201627000462	05/05/2020 00:00:00	KRISHNA & SAURASTRI ASSOCIATES LLP 24/E, Venus, Worli Sea Face, Dr. R. G. Thadani Marg, Mumbai 400 018, Maharashtra, INDIA Mobile No. 91 9167644651	info@krishnaandsaurastri.com,Patent group@unilever.com
53	MUMBAI	201621022591	05/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com
54	MUMBAI	201621030718	05/05/2020 00:00:00	Legasis Partners (Pune), B-105, ICC Trade Tower, Senapati Bapat Road, Pune - 411016, India Mobile No.: 9910394896	ip@legasis.in
55	MUMBAI	201621032117	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2nd floor, B&C Wing, Cnergy IT Park Appa Saheb Marathe Marg Prabhadevi, Mumbai Maharashtra 400025 India	iprdel@lakshmisri.com,malathi.l@lakshmisri.com
56	MUMBAI	201627021073	05/05/2020 00:00:00	R.K. DEWAN & COMPANY TRADE MARK & PATENT ATTORNEYS 38 PODAR CHAMBERS S.A.BRELVI ROAD FORT MUMBAI 400001 MAHARASHTA	dewan@rkdewanmail.com
57	MUMBAI	201627037445	05/05/2020 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
58	MUMBAI	201627040490	05/05/2020 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
59	MUMBAI	201627045036	05/05/2020 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
60	MUMBAI	1667/MUM/2013	05/05/2020 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

61	MUMBAI	1383/MUMNP/2015	05/05/2020 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
62	MUMBAI	1821/MUMNP/2015	05/05/2020 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
63	MUMBAI	1926/MUMNP/2015	05/05/2020 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
64	MUMBAI	2342/MUM/2015	05/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com
65	MUMBAI	2482/MUMNP/2015	05/05/2020 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
66	MUMBAI	2608/MUMNP/2015	05/05/2020 00:00:00	KAN AND KRISHME, ADVOCATES PATENT AND TRADEMARK ATTORNEYS, KNK HOUSE, A-11, SHUBHAM ENCLAVE, PASCHIM VIHAR, NEW DELHI-11 0063, INDIA	knk@kankrishme.com
67	MUMBAI	3692/MUMNP/2015	05/05/2020 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
68	MUMBAI	3695/MUM/2015	05/05/2020 00:00:00	Legasis Partners B-105, ICC Trade Towers Senapati Bapat Road, Pune 411016, India	ip@legasis.in
69	MUMBAI	3946/MUM/2015	05/05/2020 00:00:00	Legasis Partners B-105, ICC Trade Towers Senapati Bapat Road, Pune 411016, India	ip@legasis.in
70	MUMBAI	3960/MUM/2013	05/05/2020 00:00:00	LEX ORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg New Delhi 110 001 India.	mail@lexorbis.com,info@k2ipr.in
71	MUMBAI	3363/MUMNP/2015	06/05/2020 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
72	MUMBAI	2335/MUMNP/2015	06/05/2020 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,hkpatent@hkindia.com

73	MUMBAI	2075/MUMNP/2015	06/05/2020 00:00:00	CHADHA & CHADHA, Advocates, Regus Business Center, Level 2, Connaught Place, Bund Garden Road, Pune 411001, Maharashtra, INDIA.	info@iprattorneys.com,patents@iprattorneys.com
74	MUMBAI	202027001069	06/05/2020 00:00:00	CHADHA & CHADHA, Advocates, Regus Business Center, Level 2, Connaught Place, Bund Garden Road, Pune 411001, Maharashtra, India.	chetan@iprattorneys.com,info@iprattorneys.com
75	MUMBAI	201921042793	06/05/2020 00:00:00	IP Moment Services, Flat no. 725, DDA Flat, Sector 16B, Pocket B, Dwarka	pcdave73@gmail.com,paresh.dave@ipmoment.com
76	MUMBAI	1861/MUMNP/2015	06/05/2020 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
77	MUMBAI	1688/MUMNP/2015	06/05/2020 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
78	MUMBAI	201627040812	06/05/2020 00:00:00	Wadhwa Law Offices 5th Floor, Tower 4B, DLF Corporate Park, DLF City Phase-3, MG Road, Gurugram, Haryana 122 002, India.	Patent@walaw.in,patent@walaw.in
79	MUMBAI	201621039518	06/05/2020 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, India	hkpatent@hkindia.com
80	MUMBAI	201627030324	06/05/2020 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
81	MUMBAI	201621030751	06/05/2020 00:00:00	Arun Kishore Narasani, Patent Agent M/s. ip Metrix Consulting Group No. 84, 1st Floor, 4th Cross, Panduranga Nagar, Bannerghatta Road, Bangalore - 560 076	patent@ipmetrix.com
82	MUMBAI	201721031015	06/05/2020 00:00:00	SHRUTI JAYANT RAJPUT 399, MULA NAGAR, OPP. ANIL SMRUTI BUILDING, OLD SANGAVI, PUNE-411027, MAHARASHTRA, INDIA.	shrutirajput31@gmail.com
83	MUMBAI	201721021620	06/05/2020 00:00:00	WOCKHARDT LIMITED D-4, MIDC Area, Chikalthana, Aurangabad-431006 Maharashtra, India	Group_RND_NDDPatent@wockhardt.com,diwakars@wockhardt.com
84	MUMBAI	201727036119	06/05/2020 00:00:00	R.K.Dewan & Co. 5th Floor, Podar Chambers S A. Brelvi Road Fort Mumbai 400001	dewan@rkdewanmail.com
85	MUMBAI	201727039301	06/05/2020 00:00:00	R.K.Dewan & Co. 5Th Floor, Podar Chambers S A. Brelvi Road Fort Mumbai 400001	dewan@rkdewanmail.com
86	MUMBAI	201727024730	06/05/2020 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

87	MUMBAI	201827016942	06/05/2020 00:00:00	R.K.Dewan And Co. Podar Chambers S A. Brelvi Road Fort Mumbai 400001 Maharashtra India	dewan@rkewanmail.com
88	MUMBAI	201827023209	06/05/2020 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	hkpatent@hkindia.com
89	MUMBAI	201827024590	06/05/2020 00:00:00	Nishith Desai Associates 93-B, Mittal Court, Nariman Point, Mumbai 400021, INDIA	patents@nishithdesai.com
90	MUMBAI	201827027277	06/05/2020 00:00:00	R.K.DEWAN & CO. PODAR CHAMBERS, S A. BRELVI ROAD, FORT, MUMBAI 400001 MAHARASHTRA INDIA	dewan@rkewanmail.com
91	MUMBAI	201827028485	06/05/2020 00:00:00	Nishith Desai Associates 93-B, Mittal Court, Nariman Point, Mumbai 400021, INDIA	patents@nishithdesai.com
92	MUMBAI	201827049795	06/05/2020 00:00:00	KRISHNA & SAURASTRI ASSOCIATES LLP 74/F, Venus Worli Sea Face Mumbai 400 018	info@krishnaandsaurastri.com
93	MUMBAI	201827030532	06/05/2020 00:00:00	PLOT No. 12, THANE BELAPUR ROAD, TURBHE, NAVI MUMBAI- 400705, MAHARASHTRA, INDIA Mobile no.: +91 9167938403	indian.filing@basf.com,indian.filling @basf.com
94	MUMBAI	201821032404	06/05/2020 00:00:00	LEXORBIS 709/710, Tolstoy House 15-17, Tolstoy Marg, New Delhi 110 001	mail@lexorbis.com
95	MUMBAI	201827005442	06/05/2020 00:00:00	KRISHNA And SAURASTRI ASSOCIATES LLP 74/F Venus Worli Sea Face Mumbai 400 018	info@krishnaandsaurastri.com
96	MUMBAI	201821045557	06/05/2020 00:00:00	TANAY P. GAJJAR, S/O. PRSHANT P. GAJJAR, NEAR PUBLIC PARK, ICE FACTORY, BHARESHWAR ROAD, ANJAR-370110, KUTCH, GUJARAT, INDIA	tanaypgajjar11@gmail.com
97	MUMBAI	201827011985	06/05/2020 00:00:00	S. MAJUMDAR And CO. 202 Elecon Chembars Behind Saki Naka Telephone Exchange Saki Naka Mumbai 400 072 Maharashtra	cal@patentindia.com
98	MUMBAI	201827014917	08/05/2020 00:00:00	KRISHNA And SAURASTRI ASSOCIATES LLP 74/F Venus Worli Sea Face Mumbai 400 018	info@krishnaandsaurastri.com
99	MUMBAI	201827011411	08/05/2020 00:00:00	KRISHNA And SAURASTRI ASSOCIATES LLP 74/F Venus Worli Sea Face Mumbai 400 018	info@krishnaandsaurastri.com
100	MUMBAI	201827008632	08/05/2020 00:00:00	KRISHNA And SAURASTRI ASSOCIATES LLP 74/F Venus Worli Sea Face Mumbai 400 018	info@krishnaandsaurastri.com
101	MUMBAI	201821038243	08/05/2020 00:00:00	seenergi IPR, 7K, TANGRA 2ND LANE KOLKATA - 700 046, INDIA Mobile No. 9830212444	mail@seenergi.com
102	MUMBAI	201821038941	08/05/2020 00:00:00	R.K.DEWAN & CO. PODAR CHAMBERS, S A. BRELVI ROAD, FORT, MUMBAI 400001 MAHARASHTRA INDIA	dewan@rkewanmail.com,mailroom @rkewanmail.com

103	MUMBAI	201827028767	08/05/2020 00:00:00	Anjan Sen & Associates, Patent & Trade Mark Attorneys, 17, Chakraberia Road South, Kolkata - 700 025, India.	ajanonline@vsnl.net,patentgroupnl @unilever.com,anjanonline@bsnl.in,info@ipindiaasa.com
104	MUMBAI	201821000170	08/05/2020 00:00:00	DKTE™ s Textile and Engineering Institute . Rajwada , near court , Ichalkaranji .	utkarshkhade@gmail.com,vrnaik66@gmail.com
105	MUMBAI	201727041888	08/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers S A. Brelvi Road Fort Mumbai 400001	dewan@rkdewanmail.com
106	MUMBAI	201721028388	08/05/2020 00:00:00	PRATIK KSHIRSAGAR E-12/4, SUN EMPIRE, PHASE-1, SUNCITY ROAD, ANANDNAGAR, WADGAON BK., SINHGAD ROAD, PUNE-411051, MAHARASHTRA, INDIA.	info@kshirsagarothopaedics.com
107	MUMBAI	201721029895	08/05/2020 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	hkpatent@hkindia.com
108	MUMBAI	201727011306	08/05/2020 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
109	MUMBAI	201727016216	08/05/2020 00:00:00	CHADHA & CHADHA, Advocates, Regus Business Center, Level 2, Connaught Place, Bund Garden Road, Pune 411001, Maharashtra, India.	info@iprattorneys.com,patents@iprattorneys.com
110	MUMBAI	201724043252	08/05/2020 00:00:00	R.K.Dewan & Co. 5th Floor Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com,mailroom@rkdewanmail.com
111	MUMBAI	201621025855	08/05/2020 00:00:00	Legasis Partners (Pune), B-105, ICC Trade Tower, Senapati Bapat Road, Pune - 411016, India Mobile No.: 9910394896	ip@legasis.in
112	MUMBAI	201621003916	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2nd floor, B&C Wing, Cnergy IT Park Appa Saheb Marathe Marg Prabhadevi, Mumbai Maharashtra 400025 India	iprdel@lakshmisri.com
113	MUMBAI	201627001287	08/05/2020 00:00:00	KRISHNA & SAURASTRI ASSOCIATES 74/F, Venus, Worli Sea Face Mumbai 400 018 Telephone No. : 91 (22) 2200 6322 Fax No. : 91 (22) 2200 6326, 2201 9894	info@krishnaandsaurastri.com
114	MUMBAI	201627015858	08/05/2020 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, INDIA	hkpatent@hkindia.com

115	MUMBAI	201627020184	08/05/2020 00:00:00	R.K. DEWAN & COMPANY TRADE MARK & PATENT ATTORNEYS 38 PODAR CHAMBERS S.A.BRELVI ROAD FORT MUMBAI 400001 MAHARASHTA	dewan@rkdewanmail.com
116	MUMBAI	201627034805	08/05/2020 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
117	MUMBAI	201627021156	08/05/2020 00:00:00	CHADHA & CHADHA Advocates F 46 Himalaya House 23 Kasturba Gandhi Marg New Delhi 110001 India.	info@iprattorneys.com,patents@iprattorneys.com
118	MUMBAI	1330/MUMNP/2015	08/05/2020 00:00:00	PARKER & PARKER CO. LLP Attorneys At Law   Advocates A 3 Trade Center Stadium Circle C. G. Road Ahmedabad 380 009. India.	mumbai-patent@nic.in
119	MUMBAI	1830/MUMNP/2015	08/05/2020 00:00:00	KAN AND KRISHME, ADVOCATES PATENT AND TRADEMARK ATTORNEYS, A-11, KNK HOUSE, SHUBHAM ENCLAVE, PASCHIM VIHAR, NEW DELHI-110063, INDIA	knk@kankrishme.com
120	MUMBAI	1733/MUMNP/2015	08/05/2020 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
121	MUMBAI	201921045955	08/05/2020 00:00:00	Shuchi Agarwal, SS Intellectual Property Neeti Consultancy LLP D-40(basement), SECTOR-52, NOIDA, 201301, Uttar Pradesh	email@ipneeti.com,shuchi@ipneeti.com
122	MUMBAI	201921016766	08/05/2020 00:00:00	Thirdip Intellectual Property Services LLP, 87/1 Treasure Kashid Park, Wing-R, Flat-402, Pimple Gurav, Pune, 411061, Maharashtra, India	tewari.sanchita@gmail.com,tewarisan chita4@gmail.com
123	MUMBAI	2088/MUM/2015	08/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com
124	MUMBAI	2250/MUMNP/2015	08/05/2020 00:00:00	R.K. DEWAN & COMPANY TRADE MARK & PATENT ATTORNEYS 38 PODAR CHAMBERS S.A.BRELVI ROAD FORT MUMBAI 400001 MAHARASHTA	dewan@rkdewanmail.com
125	MUMBAI	2143/MUMNP/2014	08/05/2020 00:00:00	CHADHA & CHADHA, Advocates, Regus Business Center, Level 2, Connaught Place, Bund Garden Road, Pune 411001, Maharashtra, India.	info@iprattorneys.com,patents@iprattorneys.com
126	MUMBAI	2445/MUMNP/2015	08/05/2020 00:00:00	R.K. DEWAN & COMPANY TRADE MARK & PATENT ATTORNEYS 38 PODAR CHAMBERS S.A.BRELVI ROAD FORT MUMBAI 400001 MAHARASHTA	dewan@rkdewanmail.com
127	MUMBAI	2576/MUM/2015	08/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com
128	MUMBAI	2963/MUM/2014	08/05/2020 00:00:00	KHOT SUCHETA TIRTHARAJ 175, AARJAV, CLOUD 9, END OF NIBM ROAD, MOHAMMADWADI, HADAPSAR, PUNE 411060, MAHARASHTRA, INDIA.	khotst@gmail.com,bairagi1@gmail.com

**WEEKLY ISSUED FER (CHENNAI)**

SNO	LOCATION	APPLICATION NUMBER	FER DATE	ADDRESS FOR SERVICE	EMAIL
1	CHENNAI	1143/CHENP/2015	04/05/2020 00:00:00	Anand & 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 / chennaianandanandanand@yahoo.co.in/ archana@anandandanand.com	email@anandandanand.com, chennai-patent@nic.in
2	CHENNAI	201641027726	04/05/2020 00:00:00	Anand & 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: email@anandandanand.com / chennaianandanandanand@yahoo.co.in/ archana@anandandanand.com chennaianandanandanand@yahoo.co.in/ archana@anandandanand.com Mobile No: +91 9717990240	gitanjali@anandandanand.com, email@anandandanand.com
3	CHENNAI	201641043467	04/05/2020 00:00:00	INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH (IC & SR), INDIAN INSTITUTE OF TECHNOLOGY MADRAS, IIT P.O, CHENNAI-600 036, INDIA.	deanicsr@iitm.ac.in
4	CHENNAI	201644013526	04/05/2020 00:00:00	KAnalysis Consultant (P.) Ltd KH-368/369, First and Second Floor, Sultanpur M.G. Road, New Delhi-110030 Tel: 91-11-26808990 Mobile: 9811336990 docket@kanalysis.com	docket@kanalysis.com, bpo.mail@ge.com
5	CHENNAI	201644038141	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai, Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com patents@remfry.com	patents@remfry.com, remfry-sagar@remfry.com
6	CHENNAI	201647004545	04/05/2020 00:00:00	KAN AND KRISHME, ADVOCATES, PATENT AND TRADEMARK ATTORNEYS, KNK House, A-11, Shubham Enclave, Paschim Vihar, New Delhi-11 0063, India Telephone #: 91-11-43776666 (100 Lines) Facsimile #: 91-11-43776676, 43776677 E-mail: knk@kankrishme.com; kankrishmefer@gmail.com	knk@kankrishme.com
7	CHENNAI	201647011678	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai, Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com <a href="mailto:patents@remfry.com">patents@remfry.com</a>	remfry-sagar@remfry.com

8	CHENNAI	201647013367	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032 Phone:9144 - 42213444 Fax:9144 - 42213402	patent@depenning.com
9	CHENNAI	201647015634	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032 Phone:9144 - 42213444 Fax:9144 - 42213402	patent@depenning.com
10	CHENNAI	201647024464	04/05/2020 00:00:00	S. MAJUMDAR & CO., 5, Harish Mukherjee Road, Calcutta - 700 025, State of West Bengal. Phone: 0-33-24557484/24557485/24557486; Fax: 0-33-24557487/24557488; E-mail: cal@patentindia.com	cal@patentindia.com
11	CHENNAI	201647033243	04/05/2020 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE- 560045 Telephone No: 08041892407 Fax No : 08041892415 E - mail : ravi.tumkur@philips.com	anil.jagalur@philips.com,ravi.tumkur@philips.com
12	CHENNAI	201647038539	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
13	CHENNAI	201647039276	04/05/2020 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: email@anandanandanand.com / chennaianandanandanand@yahoo.co.in/ archana@anandanandanand.com	email@anandanandanand.com
14	CHENNAI	201647039456	04/05/2020 00:00:00	Anand & 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: email@anandanandanand.com / chennaianandanandanand@yahoo.co.in/ archana@anandanandanand.com	email@anandanandanand.com
15	CHENNAI	201647040700	04/05/2020 00:00:00	NARENDRA REDDY THAPPETA, No 7, Sigma Soft Tech Park, Beta Block, 5th Floor, Opp Varthur Kodi, Whitefield Main Rd,	ipo@iphorizons.com
16	CHENNAI	201647042057	04/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN, B-6/10, SAFDARJUNG ENCLAVE, NEW DELHI 110 029	lsmds@lakshmisri.com,IPRDEL@LA KSHMISRI.COM,info.ips@philips.co m
17	CHENNAI	201647042813	04/05/2020 00:00:00	S&H Partners Office No. 0A126, 43, Galaxy, Residency Road, Bangalore 560025, India Email: patent@sandhpartners.com, samuel@sandhpartners.com Ph: +91 78999 09460, +91 80731 08490	patent@sandhpartners.com,patent@depenning.com,samuel@sandhpartners.com

18	CHENNAI	201741016240	04/05/2020 00:00:00	Dr. M N Thippeswamy, PROFESSOR AND HEAD DEPARTMENT, DEPT. OF COMPUTER SCIENCE & ENGINEERING, NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY, YELAHANKA, BANGALORE - 560064, INDIA. thippeswamy.mn@nmit.ac.in	thippeswamy.mn@nmit.ac.in
19	CHENNAI	201747001112	04/05/2020 00:00:00	PHILIPS INTELLECTUAL PROPERTY & STANDARDS, PHILIPS ELECTRONICS INDIA LIMITED , MANYATA TECH PARK, NAGAVARA, BANGALORE 560045,INDIA	ravi.tumkur@philips.com
20	CHENNAI	201747002037	04/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN B6/10 SAFDARJUNG ENCLAVE, NEW DELHI 110 029.	iprdel@lakshmisri.com
21	CHENNAI	201747004356	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
22	CHENNAI	201747005878	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
23	CHENNAI	201747013991	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com
24	CHENNAI	201747022776	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 – 42213402	patent@depenning.com
25	CHENNAI	201747023572	04/05/2020 00:00:00	DR. T. V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED MANYATA TECH PARK NAGAVARA BANGALORE 560045 Telephone No: 08041892407 Fax No : 08041892415 E mail : ravi.tumkur@philips.com	ravi.tumkur@philips.com
26	CHENNAI	201747023893	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032 9144 42213444 8939824355 9144 42213402	patent@depenning.com
27	CHENNAI	201747016694	04/05/2020 00:00:00	De Penning & De Penning No. 120 Velachery Main Road, Guindy, Chennai 600 032 India.	patent@depenning.com
28	CHENNAI	201747018590	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law 376 B (Old No. 202) Avvai Shanmugam Salai Gopalapuram Chennai - 600 086. Tel/Fax: +91 44 42637392 Email: remfry sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com

29	CHENNAI	201747025648	04/05/2020 00:00:00	REMFRY & SAGAR, Attorneys-at-Law, 376-B, (OLD NO.202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI - 600 086. Tel/Fax: +91 44 42637392 Email: remfry sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com,remfrysagar@remfry.com
30	CHENNAI	201747030806	04/05/2020 00:00:00	De Penning & De Penning 120, Velachery Main Road, Guindy, Chennai-600 032.	patent@depenning.com
31	CHENNAI	201747034436	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032	patent@depenning.com
32	CHENNAI	201747035069	04/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India.	iprdel@lakshmisri.com
33	CHENNAI	201747035246	04/05/2020 00:00:00	K&S PARTNERS Intellectual Property Attorneys #4121/B, 6th Cross, 19A Main HAL II Stage [Extension] Bangalore, Karnataka 560038	bangalore@knspartners.com
34	CHENNAI	201747035964	04/05/2020 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: email@anandanandanand.com / chennaianandanandanand@yahoo.co.in/ archana@anandanandanand.com	archana@anandanandanand.com
35	CHENNAI	201747036267	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys at Law 376 B (Old No. 202), Avvai Shanmugam Salai, Gopalapuram, Chennai 600 086	remfry-sagar@remfry.com
36	CHENNAI	201747036326	04/05/2020 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) 9717990240	email@anandanandanand.com
37	CHENNAI	201747041970	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 42213444 8939824355 9144 42213402	patent@depenning.com
38	CHENNAI	201747042302	04/05/2020 00:00:00	HASAN AND SINGH Flat No. 04, Sree Nilayam Apartment, Plot No. 12, Camelot Layout (Near Chirec Public School), Kondapur, Hyderabad-500084, India	afzal@hasanandsingh.com
39	CHENNAI	201747046715	04/05/2020 00:00:00	HASAN AND SINGH, Flat No. 04, Sree Nilayam Apartment, Plot No. 12, Camelot Layout (Near Chirec Public School), Kondapur, Hyderabad-500084, India Phone: +91-40-65189786, 23019786 / Cell: +91-9492033581 Fax: +91-40-23013786 E-Mail: afzal@hasanandsingh.com / hasan@hasanandsingh.com	afzal@hasanandsingh.com

40	CHENNAI	201747045655	04/05/2020 00:00:00	HASAN AND SINGH, FLAT NO.04, SREE NILAYAM APARTMENT, PLOT NO.12, CAMELOT LAYOUT(NEAR CHIRE PUBLIC SCHOOL), KONDAPUR, HYDERABAD 500 084. INDIA. hasan@hasanandsingh.com	afzal@hasanandsingh.com
41	CHENNAI	201841000494	04/05/2020 00:00:00	SHRI. NATTERI MANGADU SUDHARSAN, NO: 12, SARVAJIT, BAKTHAVACHALAM NAGAR, 5 TH STREET, ADYAR, CHENNAI 600020, TAMIL NADU, INDIA. sudharsann@asme.org	sudharsann@asme.org
42	CHENNAI	201841001379	04/05/2020 00:00:00	R.K.Dewan & Co. 5th Floor Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com,mailroom @rkdewanmail.com
43	CHENNAI	201841005231	04/05/2020 00:00:00	C/o M P Venkata Kiran Kumar Andhra Pradesh Technology Development & Promotion Centre Confederation of Indian Industry (CII), Plot No 7, 2nd Floor, Regal House Motilal Nehru Nagar, Begumpet Hyderabad 500 016, Telangana	venkatakirkumar.mp@ci.in,s.saha @ci.in
44	CHENNAI	201841017595	04/05/2020 00:00:00	Dilip Rajendrakumar Mohite A-417, IRIS COURT, MAHINDRA WORLD CITY, CHENGALPATTU, CHENNAI - 603 002. diliprmohite@gmail.com	diliprmohite@gmail.com
45	CHENNAI	201841023580	04/05/2020 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, Banjara hills, Hyderabad-500034, Telangana, India.	naresh@prometheusip.com
46	CHENNAI	201844006547	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032.	patent@depenning.com
47	CHENNAI	201844025291	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032	patent@depenning.com
48	CHENNAI	201847000865	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032, India.	patent@depenning.com
49	CHENNAI	201847004399	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
50	CHENNAI	201841037689	04/05/2020 00:00:00	NATIONAL ENGINEERING COLLEGE, K.R. NAGAR, KOVILPATTI - 628 503.	iprcell@nec.edu.in
51	CHENNAI	201847017393	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 – 42213402	patent@depenning.com
52	CHENNAI	201847019318	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com

53	CHENNAI	201847031767	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
54	CHENNAI	201847036090	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
55	CHENNAI	201941007037	04/05/2020 00:00:00	154/1, THIRUVALLUVAR NAGAR, II ND CROSS, VADAVALLI, COIMBATORE-641046. selvarajanx@gmail.com	selvarajanx@gmail.com
56	CHENNAI	201941007375	04/05/2020 00:00:00	SHRI. JANARTHANAN V., 3/2, PONNI NAGAR, 2ND STREET, KOLLAN PALYAM, ERODE-638002, TAMILNADU, INDIA. janarthanan.ee15@bitsathy.ac.in janarthanan.ee15@bitsathy.ac.in	janarthanan.ee15@bitsathy.ac.in janarthanan.ee15@bitsathy.ac.in
57	CHENNAI	201941023874	04/05/2020 00:00:00	MISS MULLU I. SAFURA MANZIL MULAMKADAKAM, THIRUMULLAVARAM POST, KOLLAM - 691 012. busicat3384@gmail.com	busicat3384@gmail.com
58	CHENNAI	201941049115	04/05/2020 00:00:00	D.NO: 3-642/8, MEDICAL FACTORY ROAD, UNDAVALLI, TADEPALLI MANDAL, GUNTUR DISTRICT, PIN CODE:522501, ANDHRA PRADESH (STATE), INDIA	manasakallam06@gmail.com,ayyaraj endraprasad@gmail.com
59	CHENNAI	201947006689	04/05/2020 00:00:00	Global IP Services Pvt. Ltd., 198F, 27th Cross, 3rd Block, Jayanagar, Bangalore - 560011, Karnataka, India	docketing@globalipservices.com
60	CHENNAI	201947014015	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
61	CHENNAI	201947014042	04/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402 patent@depenning.com	patent@depenning.com
62	CHENNAI	201947039026	04/05/2020 00:00:00	HASAN AND SINGH, Flat No. 04, Sree Nilayam Apartment, Plot No. 12, Camelot Layout (Near Chirec Public School), Kondapur, Hyderabad-500084, Telangana, India Phone: +91- 8121388786 / +91-40-23019786 / Cell: +91-9492033581 Fax: +91-40- 23013786 E-mail: afzal@hasanandsingh.com / hasan@hasanandsingh.com	afzal@hasanandsingh.com,hasan@ha sanandsingh.com
63	CHENNAI	201947025737	04/05/2020 00:00:00	KHURANA & KHURANA, Advocates and IP Attorneys A-001, Nitesh Central Park, Near Bagalur Crossing, Off Bellary Road, Bengaluru - 560064, India.	Info@khuranaandkhurana.com,info@ khuranaandkhurana.com
64	CHENNAI	2400/CHE/2014	04/05/2020 00:00:00	InvnTree IP Services, 399, 15th Cross, 5th Main, Sector-6, HSR Layout, Bangalore: 560102	ipo@invntree.com

65	CHENNAI	2442/CHENP/2015	04/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
66	CHENNAI	2969/CHENP/2015	04/05/2020 00:00:00	Anand & 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	Ritika@anandandanand.com,archana@anandandanand.com,email@anandanand.com
67	CHENNAI	3796/CHENP/2015	04/05/2020 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
68	CHENNAI	4003/CHENP/2015	04/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
69	CHENNAI	4442/CHENP/2015	04/05/2020 00:00:00	Anand & 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	Ritika@anandandanand.com,archana@anandandanand.com,email@anandanand.com
70	CHENNAI	4719/CHENP/2015	04/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai,Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com
71	CHENNAI	551/CHE/2014	04/05/2020 00:00:00	Ambarish Kumar Shivam, Single room , Top floor Building no. : 43 21st Cross , 7th Main Road N.S. Palya , BTM Layout 2nd stage Bangalore - 560076 Karnataka , INDIA	ambarishshivam@gmail.com
72	CHENNAI	563/CHE/2015	04/05/2020 00:00:00	Ambarish Kumar Shivam s/o Shri Ramdhari Ram Top floor , Single room, 21st Cross , 7th Main Road, BTM 2nd stage , N S Palya Bangalore - 560076 Karnataka	ambarishshivam@gmail.com
73	CHENNAI	7119/CHENP/2015	04/05/2020 00:00:00	CANTWELL & CO, 120 Velachery Main Road, Guindy, Chennai 600032 9144 - 42213409 9144 - 42213402 / 22350783 patent@cantwellandco.com	patent@cantwellandco.com
74	CHENNAI	6594/CHENP/2015	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai,Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com

75	CHENNAI	7318/CHENP/2015	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
76	CHENNAI	5551/CHE/2015	05/05/2020 00:00:00	M/S.VINAYAKA MISSIONS UNIVERSITY, YERCAUD MAIN ROAD, KONDAPPANAICKANPATTY, SALEM, TAMILNADU - 636 008, vmcp pharm@yahoo.co.in	vmcp pharm@yahoo.co.in
77	CHENNAI	4706/CHE/2015	05/05/2020 00:00:00	Afsar Krishna and Saurastri Associates, S-2, No. 26, Red Cross Bhavan, Esteem Arcade, Race course Road, Bangalore - 560001. Karnataka, INDIA	afsar@krishnaandsaurastri.com, blr@krishnaandsaurastri.com, info@krishnaandsaurastri.com
78	CHENNAI	2541/CHENP/2015	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai, Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com
79	CHENNAI	2567/CHENP/2015	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
80	CHENNAI	201947033038	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402 patent@depenning.com	patent@depenning.com
81	CHENNAI	201947033997	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 – 42213402	patent@depenning.com
82	CHENNAI	2052/CHENP/2015	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai, Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com
83	CHENNAI	2100/CHE/2015	05/05/2020 00:00:00	Novel Patent Services Pvt. Ltd. HIG 421, Above Punjab National Bank, Midhilapuri Vuda Colony, PM Palem, Vizag – 530041	ganapathi@novelpatent.com
84	CHENNAI	201941031046	05/05/2020 00:00:00	K. ARUN PRASATH, KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION ANAND NAGAR, KRISHNANKOIL, TAMILNADU, INDIA-626126. aruncmr12@gmail.com	aruncmr12@gmail.com
85	CHENNAI	201941043290	05/05/2020 00:00:00	II ME STRUCTURAL ENGINEERING STUDENT, DEPARTMENT OF CIVIL ENGINEERING, SRI KRISHNA COLLEGE OF TECHNOLOGY, KOVAIPUDUR, COIMBATORE-641042, TAMILNADU, INDIA. janaelmatador@gmail.com	janaelmatador@gmail.com

86	CHENNAI	201847026613	05/05/2020 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	ipo@knspartners.com
87	CHENNAI	201847030283	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032	patent@depenning.com
88	CHENNAI	201847030839	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
89	CHENNAI	201847025133	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032.	patent@depenning.com
90	CHENNAI	201847026110	05/05/2020 00:00:00	KRISHNA & SAURASTRI ASSOCIATES LLP 2801 Hemavathy, Nandi Enclave, Banashankari III Stage, Bangalore 560085	info@krishnaandsaurastri.com
91	CHENNAI	201847015401	05/05/2020 00:00:00	DE PENNING & DE PENNING 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI-600 032, TAMILNADU, INDIA.	patent@depenning.com
92	CHENNAI	201847016551	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
93	CHENNAI	201847018090	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032.	patent@depenning.com
94	CHENNAI	201847010124	05/05/2020 00:00:00	De Penning & De Penning No. 120 Velachery Main Road, Guindy, Chennai 600 032, India.	patent@depenning.com
95	CHENNAI	201847010277	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
96	CHENNAI	201847007059	05/05/2020 00:00:00	K & S Partners Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560 038, Karnataka, INDIA.	bangalore@knspartners.com
97	CHENNAI	201847008388	05/05/2020 00:00:00	198F, 27th Cross, 3rd Block, Jayanagar, Bangalore - 560011, Karnataka, India	docketing@globalipservices.com
98	CHENNAI	201847008569	05/05/2020 00:00:00	Anand & Anand Advocates Flat GA, AR Villa, New No. 31 (Old No. 13) 3rd main Road, Gandhi Nagar, Adyar,Chennai-60020 (India).	archana@anandanandanand.com
99	CHENNAI	201841006885	05/05/2020 00:00:00	144 / 1, MANGALAM STREET, KUMARAPURAM THOPPUR,(POST) KANYAKUMARI DISTRICT, TAMIL NADU INDIA. - 629402 samblessing117@gmail.com	samblessing117@gmail.com
100	CHENNAI	201747044080	05/05/2020 00:00:00	Cantwell & Co. No. 120, Velachery Main Road, Guindy, Chennai 600 032, India	patent@cantwellandco.com
101	CHENNAI	201747040920	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032	patent@depenning.com

102	CHENNAI	201747014747	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com
103	CHENNAI	201747015602	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
104	CHENNAI	201741012862	05/05/2020 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
105	CHENNAI	201741009880	05/05/2020 00:00:00	House No. #1-2-11/1, ABOVE SBI BANK STREET NO: 2, KAKATIYA NAGAR, HABSIGUDA HYDERABAD - 500007	sridhar.prasangi@optimuspharma.co m, srini@optimuspharma.com
106	CHENNAI	201744018945	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com
107	CHENNAI	201744044096	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032.	patent@depenning.com
108	CHENNAI	201647043822	05/05/2020 00:00:00	PHILIPS INDIA LIMITED, PHILIPS INNOVATION CAMPUS, MANYATA TECH PARK, NAGAVARA, BANGALORE - 560 045, INDIA.	ravi.tumkur@philips.com
109	CHENNAI	201647042377	05/05/2020 00:00:00	Law Firm of Naren Thappeta # 7, Sigma Soft Tech Park, 5th Floor, Beta Block, Whitefield Main Road, Varthur Kodi Bangalore, Karnataka-560 066	ipo@iphorizons.com
110	CHENNAI	201647042614	05/05/2020 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE- 560045 Telephone No: 08041892407 Fax No : 08041892415 E - mail : ravi.tumkur@philips.com	ravi.tumkur@philips.com
111	CHENNAI	201647041519	05/05/2020 00:00:00	REMFRY & SAGAR, 376-B, (OLD NO.202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI - 600 086.	remfry-sagar@remfry.com
112	CHENNAI	201647037931	05/05/2020 00:00:00	LAW FIRM OF NAREN THAPPETA., #7, SIGMA SOFT TECH PARK, 5TH FLOOR, BETA BLOCK, WHITEFIELD MAIN ROAD, VARTHUR KODI, RAMAGONDANAHALI, BANGALORE - 560 066.	nt@iphorizons.com,ipo@iphorizons.c om
113	CHENNAI	201647021476	05/05/2020 00:00:00	Anand & 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: anandanandanand@vsnl.com/ email@anandanandanand.com / chennaianandanandanand@yahoo.co.in/ archana@anandanandanand.com	email@anandanandanand.com,archana@ana ndandanand.com,chennaianandanandanand @yahoo.co.in

114	CHENNAI	201647028070	05/05/2020 00:00:00	Anand & 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: email@anandandanand.com / chennaianandanand@yahoo.co.in/ archana@anandandanand.com	email@anandandanand.com
115	CHENNAI	201647028720	05/05/2020 00:00:00	K & S PARTNERS 4121/B, 6TH CROSS, 19A MAIN HAL II STAGE (EXTENSION), BANGALORE - 560 038.	ipo@knspartners.com
116	CHENNAI	201647028729	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN, 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
117	CHENNAI	201647030452	05/05/2020 00:00:00	LAKSHMI KUMARAN & SRIDHARAN 2, WALLACE GARDEN, 2ND STREET, CHENNAI - 600 006.	iprdel@lakshmisri.com
118	CHENNAI	201647031793	05/05/2020 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE-560045 Telephone No: 08041892407 Fax No : 08041892415 E - mail : ravi.tumkur@philips.com	ravi.tumkur@philips.com
119	CHENNAI	201647032193	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
120	CHENNAI	201647016468	05/05/2020 00:00:00	Anand & 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 / chennaianandanand@yahoo.co.in/ archana@anandandanand.com	email@anandandanand.com,archana@anandandanand.com,chennaianandanand@yahoo.co.in
121	CHENNAI	201644034020	05/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai, Gopalapuram Chennai - 600086	remfry-sagar@remfry.com
122	CHENNAI	201641044794	05/05/2020 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.	ipo@iphorizons.com
123	CHENNAI	201641034429	05/05/2020 00:00:00	Omprakash S.N (IN/PA 1095) Oms Patent Services Pvt. Ltd. #2788, 16 Cross, 8B Main, Near Saraswathi Hospital, Banashankari II stage, Bengaluru 560 070, Karnataka, India Mobile: +91- 94483 56142 Landline: 080-26792089, 26761507 Fax : 080-6688 6224 Email: omprakash@omspatentservices.com	omprakash@omspatentservices.com,contact@omspatentservices.com

124	CHENNAI	201641037158	05/05/2020 00:00:00	K & S Partners Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560 038, INDIA.	ipo@knspartners.com
125	CHENNAI	201641041654	05/05/2020 00:00:00	Omprakash S.N (IN/PA 1095) Oms Patent Services Pvt. Ltd. #2788, 16 Cross, 8B Main, Near Saraswathi Hospital, Banashankari II stage, Bengaluru 560 070, Karnataka, India Mobile: +91- 94483 56142 Landline: 080-26761507, 26792089, Fax : 080-6688 6224 Email: omprakash@omspatentservices.com	omprakash@omspatentservices.com, contact@omspatentservices.com
126	CHENNAI	1391/CHE/2015	05/05/2020 00:00:00	Inolyst Consulting Pvt Ltd Level 8, Tower 1, Umiya Business Bay, Cessna Business Park, Marathalli-Sarjapur Outer Ring Road, Bangalore-560102	sourabh@inolyst.com,manisha@lexorbis.com
127	CHENNAI	1354/CHENP/2015	05/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com,IPRDEL@LAKSHMISRI.COM
128	CHENNAI	1759/CHE/2015	05/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032	patent@depenning.com
129	CHENNAI	201641005228	05/05/2020 00:00:00	Omprakash S.N (IN/PA 1095) Oms Patent Services Pvt. Ltd. #2788, 16 Cross, 8B Main, Near Saraswathi Hospital, Banashankari II stage, Bengaluru 560 070 Karnataka, India Mobile: +91- 94483 56142 Landline: 080-26761507, 26792089, Fax : 080-6688 6224 Email: omprakash@omspatentservices.com	omprakash@omspatentservices.com
130	CHENNAI	201641014934	05/05/2020 00:00:00	K & S Partners # 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560 038, INDIA	ipo@knspartners.com,bangalore@knspartners.com
131	CHENNAI	201641022649	05/05/2020 00:00:00	SHRI.N.PRABAKARAN, G2, NO3, NSK STREET, ESWARAN NAGAR, PAMMAL, CHENNAI - 600 075.	pkrun_ya@yahoo.com
132	CHENNAI	201641005614	06/05/2020 00:00:00	IPEXCEL SERVICES PVT. LTD. INDIQUBE ORION, 24TH MAIN RD, GARDEN LAYOUT, SECTOR 2, HSR LAYOUT, BANGALORE-560102, KARNATAKA. support@ipexcel.com	support@ipexcel.com,filings@ipexcel.com,ip.bangalore@foxmandal.in,ip.bangalore@foxmandal.com
133	CHENNAI	201641010976	06/05/2020 00:00:00	Omprakash S.N (IN/PA 1095) Oms Patent Services Pvt. Ltd. #2788, 8 B Main, 16 Cross, Near Saraswathi Hospital, Banashankari 2nd Stage, Bangalore 560070, Karnataka, India. Phone : +91-80-2679 2089, +91-80-2689 0123 Mobile:+91 94483 56142, Fax : +91-80-6688 6224 Email: ipo@omspatentservices.com	ipo@omspatentservices.com
134	CHENNAI	201641024215	06/05/2020 00:00:00	THE DEAN, INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH [IC&SR], INDIAN INSTITUTE OF TECHNOLOGY MADRAS, IIT P.O, CHENNAI-600 036, INDIA	deanicsr@iitm.ac.in

135	CHENNAI	201641025844	06/05/2020 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,bangalore@knspartners.com
136	CHENNAI	201641039596	06/05/2020 00:00:00	AUTHORIZED PATENT AGENT IN INDIA, SEBIN BIJU NELLIPPULLY, NELLIPPULLY HOUSE, K K ROAD, POTTA P.O., POTTA, THRISSUR, KERALA 680 722.	sebinbiju25@gmail.com
137	CHENNAI	201643024136	06/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com
138	CHENNAI	201644042808	06/05/2020 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 : <a href="mailto:remfry-sagar@remfry.com">remfry-sagar@remfry.com</a>	remfry-sagar@remfry.com,ipo@iphorizons.com
139	CHENNAI	201647003280	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai,Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com <a href="mailto:patents@remfry.com">patents@remfry.com</a>	remfry-sagar@remfry.com
140	CHENNAI	201647016224	06/05/2020 00:00:00	DR. T. V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE-560045 Telephone No: 08041892407 Fax No : 08041892415 E - mail : <a href="mailto:ravi.tumkur@philips.com">ravi.tumkur@philips.com</a>	ravi.tumkur@philips.com
141	CHENNAI	201647015572	06/05/2020 00:00:00	Anand & 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: <a href="mailto:anandandanand@vsnl.com">anandandanand@vsnl.com/</a> <a href="mailto:email@anandandanand.com">email@anandandanand.com /</a> <a href="mailto:chennaianandandanand@yahoo.co.in">chennaianandandanand@yahoo.co.in/</a> <a href="mailto:archana@anandandanand.com">archana@anandandanand.com</a>	email@anandandanand.com
142	CHENNAI	201647032589	06/05/2020 00:00:00	Anand & 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: <a href="mailto:email@anandandanand.com">email@anandandanand.com /</a> <a href="mailto:chennaianandandanand@yahoo.co.in">chennaianandandanand@yahoo.co.in/</a> <a href="mailto:archana@anandandanand.com">archana@anandandanand.com</a>	email@anandandanand.com
143	CHENNAI	201647033118	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com

144	CHENNAI	201647030461	06/05/2020 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI-600 032.	patent@depenning.com,indiafiling@maxval.com,shankar@maxval.com
145	CHENNAI	201647037433	06/05/2020 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI-600 032.	patent@depenning.com
146	CHENNAI	201647020510	06/05/2020 00:00:00	K&S PARTNERS Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560038, India +91 8040427900 +91 8130055293 +91 8040427901 bangalore@knspartners.com	bangalore@knspartners.com
147	CHENNAI	201647043826	06/05/2020 00:00:00	DR. T. V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE-560045 Telephone No: 08041892407 Fax No : 08041892415 E - mail : <a href="mailto:ravi.tumkur@philips.com">ravi.tumkur@philips.com</a>	ravi.tumkur@philips.com
148	CHENNAI	201747000019	06/05/2020 00:00:00	De Penning & De Penning, 120 Velachery Main Road, Guindy, Chennai 600 032, India	patent@depenning.com
149	CHENNAI	201747003474	06/05/2020 00:00:00	Dr. T.V. Ravi Philips Intellectual Property & Standards Philips India Limited Philips Innovation Campus, MFAR, Manyata Tech Park, Manyata Nagar, Nagavara, Bangalore - 560045	ravi.tumkur@philips.com
150	CHENNAI	201747001166	06/05/2020 00:00:00	Remfry & Sagar, Attorneys-at-Law, 1st Floor, BlockB, Chaitanya Imperial Building, 610, Anna Salai, Teynampetai, Chennai 600 018, India. Tel & Fax: 91 - 44 48514474 remfry-sagar@remfry.com	remfry-sagar@remfry.com,bpo.mail@ge.com
151	CHENNAI	201741021696	06/05/2020 00:00:00	De Penning & De Penning 120, Velachery Main Road, Guindy, Chennai-600 032.	patent@depenning.com
152	CHENNAI	201741023317	06/05/2020 00:00:00	Villa No. 5, Aparna Kanopy Lotus, Gundlapochampally, Kompally, Hyderabad	sham.dayal@yahoo.com
153	CHENNAI	201743005679	06/05/2020 00:00:00	IPEXCEL SERVICES PVT. LTD. INDIQUBE ORION, 24TH MAIN RD, GARDEN LAYOUT, SECTOR 2, HSR LAYOUT, BANGALORE-560102, KARNATAKA. support@ipexcel.com	support@ipexcel.com,ip.bangalore@foxmandal.com,filings@ipexcel.com,ip.bangalore@foxmandal.in
154	CHENNAI	201741002008	06/05/2020 00:00:00	K & S Partners Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560 038, INDIA	ipo@knspartners.com
155	CHENNAI	201747010312	06/05/2020 00:00:00	K & S PARTNERS Intellectual Property Attorneys 109 Sector 44 Gurgaon 122003 National Capital Region India	ipo@knspartners.com

156	CHENNAI	201747016084	06/05/2020 00:00:00	De Penning & De Penning No. 120 Velachery Main Road, Guindy, Chennai 600 032	patent@depenning.com
157	CHENNAI	201747025643	06/05/2020 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,remfrysagar@rem fry.com
158	CHENNAI	201747041625	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032.	patent@depenning.com
159	CHENNAI	201747037265	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai -600032	patent@depenning.com
160	CHENNAI	201747035542	06/05/2020 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,bpo.mail@ge.c om
161	CHENNAI	201747033687	06/05/2020 00:00:00	LEXPERTCOSILIUMLLP, Sigma Soft Tech Park, Gamma Block, 5th Floor Varthur Kodi, Ramagondanahalli, Whitefield Bengaluru-560066, Karnataka, India. Telephone No. +9180 49542488 Mobile No. +91 9537669075 E-mail ID support@davelawgroup.com	support@davelawgroup.com,patent@ depenning.com
162	CHENNAI	201747046551	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032.	patent@depenning.com
163	CHENNAI	201747046812	06/05/2020 00:00:00	De Penning & De Penning, 120 Velachery Main Road, Guindy, Chennai-600 032	patent@depenning.com
164	CHENNAI	201747037880	06/05/2020 00:00:00	CANTWELL & CO 120 Velachery Main Road Guindy Chennai 600032 9144 42213409 8939824355 9144 42213402 / 22350783	patent@cantwellandco.com
165	CHENNAI	201847013585	06/05/2020 00:00:00	PATENTS AND LICENSING DEPARTMENT Novozymes South Asia Pvt. Ltd. Plot No. 32 47 50 EPIP Area Whitefield Bangalore 560066 KARNATAKA INDIA	patentsin@novozymes.com
166	CHENNAI	201847006912	06/05/2020 00:00:00	M/s. De Penning & De Penning, No. 120, Velachery Main Road, Guindy, Chennai 600 032, Tamil Nadu,India.	patent@depenning.com
167	CHENNAI	201841026744	06/05/2020 00:00:00	C/O, LAKSHMI KUMARAN & SRIDHARAN, 2, Wallace garden, 2nd Street, Chennai, India, Pin Code- 600006.	iprdel@lakshmisri.com
168	CHENNAI	201847018173	06/05/2020 00:00:00	De Penning And De Penning 120 Velachery Main Road, Guindy, Chennai 600 032	patent@depenning.com
169	CHENNAI	201847018298	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road,Guindy, Chennai 600 032.	patent@depenning.com
170	CHENNAI	201847018619	06/05/2020 00:00:00	CANTWELL & CO 120 Velachery Main Road, Guindy,Chennai-600032	patent@depenning.com

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172	CHENNAI	201847018879	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com
173	CHENNAI	201847017482	06/05/2020 00:00:00	K & S PARTNERS 4121/B, 6TH CROSS, 19A MAIN HAL II STAGE (EXTENSION), BANGALORE - 560 038.	bangalore@knspartners.com
174	CHENNAI	201847017701	06/05/2020 00:00:00	K&S PARTNERS Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage[Extension] Bangalore, Karnataka 560038.	bangalore@knspartners.com
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176	CHENNAI	201847026414	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com
177	CHENNAI	201847023714	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032.	patent@depenning.com
178	CHENNAI	201847031229	06/05/2020 00:00:00	K & S PARTNERS  Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560 038, Karnataka, INDIA Phone: 91-80-40427900 Fax No. 91-80-40427901 Mob: +91 7349778249 E-mail: bangalore@knspartners.com	bangalore@knspartners.com
179	CHENNAI	201847034889	06/05/2020 00:00:00	CANTWELL & CO, 120 Velachery Main Road, Guindy, Chennai, Tamil Nadu, India, Pin Code-600 032.	patent@cantwellandco.com
180	CHENNAI	201847035779	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032.	patent@depenning.com
181	CHENNAI	201941030415	06/05/2020 00:00:00	Dr.B.Deepa 23/20 Mannappa Lane, Old washermen pet, Chennai - 600021 9962729896 intellpat@gmail.com	intellpat@gmail.com
182	CHENNAI	201941012087	06/05/2020 00:00:00	International Law Centre, 61-63, Dr. Radhakrishnan Salai, Mylapore, Chennai - 600004	vs@lawindia.com
183	CHENNAI	201947014676	06/05/2020 00:00:00	Signify Innovations India Ltd. 5th Floor, Green Heart- MMTP Phase IV, Manyata Tech Park, Nagavara, Bangalore- 560045, India. Mobile No.+91-9980836239	prasad.narasimha@lighting.com.ip.india @signify.com
184	CHENNAI	201944007480	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai,Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com patents@remfry.com	patents@remfry.com,remfry-sagar@remfry.com

185	CHENNAI	201944012763	06/05/2020 00:00:00	J SURESH ADVOCATE/PATENT AGENT 46 FIRST CROSS, MARAPPA GARDEN BENSON TOWN POST BENGALURU - 560046	jsuresh@petesuresh.com,suresh.jallipeta@gmail.com
186	CHENNAI	201947005964	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai-600 032	patent@depenning.com
187	CHENNAI	202047001661	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402 patent@depenning.com	patent@depenning.com
188	CHENNAI	202047003484	06/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032 9144 - 42213444 8939824355 9144 – 42213402	patent@depenning.com
189	CHENNAI	2691/CHE/2014	06/05/2020 00:00:00	DR. G. HEMATH KUMAR, COMPOSITE RESEARCH CENTRE, 12A, G. N. B. AISHWARIA FALTS, E.V.R. STREET, VINAYAGAPURAM, AMBATTUR, CHENNAI - 600 053.	hemathkumar1959@yahoo.com,hema thmohit@gmail.com
190	CHENNAI	2964/CHENP/2015	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai,Gopalapuram Chennai - 600 086 Tel/Fax: 914442637392 Email: remfry-sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com
191	CHENNAI	3530/CHE/2015	06/05/2020 00:00:00	FOX MANDAL & ASSOCIATES PATENT ATTORNEYS FM HOUSE, 6/12, PRIMROSE ROAD BANGALORE 560 025 KARNATAKA, INDIA	ip.bangalore@foxmandal.com
192	CHENNAI	3652/CHENP/2015	06/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai,Gopalapuram Chennai - 600 086 Tel/Fax: 914442637392 Email: remfry-sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com
193	CHENNAI	5680/CHENP/2015	06/05/2020 00:00:00	Anand & 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: anandanandanand@vsnl.com/ email@anandanandanand.com / chennaianandanandanand@yahoo.co.in/ archana@anandanandanand.com	email@anandanandanand.com
194	CHENNAI	6418/CHENP/2015	06/05/2020 00:00:00	Indian Patent Global Services 17 1 383/IP/124 Indraprasta Township (phase 1) Saidabad Hyderabad 500059	info@indianpatentglobal.com,pmanik koth@yahoo.com

195	CHENNAI	3849/CHENP/2015	06/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
196	CHENNAI	7372/CHENP/2015	06/05/2020 00:00:00	K&S Partners Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560 038, Karnataka, INDIA Telephone No: 91-80-40427900 Fax No: 91-80-404-27901 Mobile: 9900244793 Email: bangalore@knspartners.com	ipo@knspartners.com
197	CHENNAI	6719/CHENP/2015	06/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
198	CHENNAI	65/CHE/2014	06/05/2020 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 Facsimile #: 91-11-43776676/77 E-mail: <a href="mailto:knk@kankrishme.com">knk@kankrishme.com</a>	knk@kankrishme.com
199	CHENNAI	7711/CHENP/2015	06/05/2020 00:00:00	Anand & Anand Advocates Flat GA, AR Villa, New No. 31 (Old No. 13) 3rd main Road, Gandhi Nagar, Adyar, Chennai-600020 (India) Phone No: 91-44-43443777, 120-4059300 Fax No: 120-4243056, 91-44-43504232 E-mail: <a href="mailto:anandandanand@vsnl.com">anandandanand@vsnl.com</a> / <a href="mailto:email@anandandanand.com">email@anandandanand.com</a> / <a href="mailto:chennaianandanandanand@yahoo.co.in">chennaianandanandanand@yahoo.co.in</a> / <a href="mailto:archana@anandandanand.com">archana@anandandanand.com</a>	<a href="mailto:email@anandandanand.com">email@anandandanand.com</a>
200	CHENNAI	905/CHE/2014	06/05/2020 00:00:00	Origiin IP Solutions #213, Block B-2, Sobha Aquamarine Sarjapura Outer Ring road, Bellandur, Bangalore 560103	<a href="mailto:bindu@origiin.com">bindu@origiin.com</a> , <a href="mailto:info@origiin.com">info@origiin.com</a> , <a href="mailto:anita@origiin.com">anita@origiin.com</a> , <a href="mailto:dc.ragu@gmail.com">dc.ragu@gmail.com</a>
201	CHENNAI	9273/CHENP/2014	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com
202	CHENNAI	7423/CHENP/2014	08/05/2020 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: <a href="mailto:knk@kankrishme.com">knk@kankrishme.com</a>	<a href="mailto:knk@kankrishme.com">knk@kankrishme.com</a> , <a href="mailto:ip.status@kan Krishme.com">ip.status@kan Krishme.com</a>
203	CHENNAI	3982/CHE/2013	08/05/2020 00:00:00	M/S. REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	<a href="mailto:remfry-sagar@remfry.com">remfry-sagar@remfry.com</a>
204	CHENNAI	4448/CHENP/2015	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	iprdel@lakshmisri.com

205	CHENNAI	4516/CHE/2012	08/05/2020 00:00:00	RNA, IP ATTORNEYS 401- 402, 4th Floor, Suncity Success Tower, Sector - 65, Golf Course Extension Road, Gurgaon - 122 005 National Capital Region (Haryana), India Tel: +91-124- 2841222, Fax: +91-124-2841144 Email: <a href="mailto:patents@rnaip.com">patents@rnaip.com</a> , <a href="mailto:info@rnaip.com">info@rnaip.com</a>	<a href="mailto:patents@rnaip.com">patents@rnaip.com</a> , <a href="mailto:info@rnaip.com">info@rnaip.com</a>
206	CHENNAI	4182/CHENP/2015	08/05/2020 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE-560045 Telephone No: 08041892407 Fax No : 08041892415 E - mail : <a href="mailto:ravi.tumkur@philips.com">ravi.tumkur@philips.com</a>	<a href="mailto:ravi.tumkur@philips.com">ravi.tumkur@philips.com</a>
207	CHENNAI	3707/CHE/2015	08/05/2020 00:00:00	SRI.SRINIVASAN THIRUMALAI RAJAN, MSN LABORATORIES PRIVATE LIMITED, FACTORY: SY.NO: 317 & 323, RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST), TELANGANA, INDIA - 502 329, <a href="mailto:kondal@msnlabs.com">kondal@msnlabs.com</a>	<a href="mailto:kondal@msnlabs.com">kondal@msnlabs.com</a>
208	CHENNAI	573/CHE/2015	08/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road Guindy Chennai 600 032	<a href="mailto:patent@depenning.com">patent@depenning.com</a>
209	CHENNAI	5466/CHE/2013	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	<a href="mailto:lsmds@lakshmisri.com">lsmds@lakshmisri.com</a> , <a href="mailto:IPRDEL@LAKSHMISRI.COM">IPRDEL@LAKSHMISRI.COM</a>
210	CHENNAI	4387/CHENP/2015	08/05/2020 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED, MANYATA TECH PARK, NAGAVARA, BANGALORE-560045 Telephone No: 08041892407 Fax No : 08041892415 E - mail : <a href="mailto:ravi.tumkur@philips.com">ravi.tumkur@philips.com</a>	<a href="mailto:ravi.tumkur@philips.com">ravi.tumkur@philips.com</a>
211	CHENNAI	2983/CHENP/2015	08/05/2020 00:00:00	C/O LAKSHMI KUMARAN & SRIDHARAN 2, Wallace garden, 2nd Street, Chennai - 600 006 India	<a href="mailto:iprdel@lakshmisri.com">iprdel@lakshmisri.com</a>
212	CHENNAI	3090/CHE/2013	08/05/2020 00:00:00	REMFRY & SAGAR, ATTORNEYS-AT-LAW, 376 B (OLD NO. 202), AVVAI SHANMUGAM SALAI, GOPALAPURAM, CHENNAI 600 086.	<a href="mailto:remfry-sagar@remfry.com">remfry-sagar@remfry.com</a>
213	CHENNAI	3103/CHE/2014	08/05/2020 00:00:00	K&S Partners Intellectual Property Attorneys # 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560 038, Karnataka INDIA	<a href="mailto:ipo@knspartners.com">ipo@knspartners.com</a>
214	CHENNAI	202041004780	08/05/2020 00:00:00	72, SANGANOOR ROAD, GANAPATHY, COIMBATORE	<a href="mailto:info@3m-ipr.com">info@3m-ipr.com</a>
215	CHENNAI	201947042826	08/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032	<a href="mailto:patent@depenning.com">patent@depenning.com</a>
216	CHENNAI	201947009903	08/05/2020 00:00:00	De Penning & De Penning, 120 Velachery Main Road, Guindy , Chennai 600 032.	<a href="mailto:patent@depenning.com">patent@depenning.com</a>

217	CHENNAI	201941005784	08/05/2020 00:00:00	DEPARTMENT OF MECHANICAL ENGG, KPR INST OF ENGG & TECH., ARASUR, COIMBATORE, TAMILNADU, INDIA. balaji.ntu@gmail.com	balaji.ntu@gmail.com
218	CHENNAI	201847031939	08/05/2020 00:00:00	Global IP Services Pvt. Ltd., 198F, 27th Cross, 3rd Block, Jayanagar, Bangalore - 560011, Karnataka, India	docketing@globalipservices.com
219	CHENNAI	201847031983	08/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032 9144 - 42213444 8939824355 9144 - 42213402	patent@depenning.com
220	CHENNAI	201848043120	08/05/2020 00:00:00	Dr. Manjusha M, De Penning & De Penning, 120 Velachery Main Road, Guindy, Chennai, Tamil Nadu, India, Pin Code-600 032.	patent@depenning.com
221	CHENNAI	201847024222	08/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032.	patent@depenning.com
222	CHENNAI	201847021693	08/05/2020 00:00:00	InvnTree IP Services, 399, 15th Cross, 5th Main, Sector:6, HSR Layout, Bangalore: 560102, Karnataka, INDIA	ipo@invntree.com
223	CHENNAI	201841042318	08/05/2020 00:00:00	M/S. RAJASEKARAN ASSOCIATES, F4, Brindavan Apartments, 19, Lake View Road, Brindavan Nagar, Adambakkam, Chennai-600088.	info@rsaip.com
224	CHENNAI	201847009183	08/05/2020 00:00:00	Philips Lighting Intellectual Property, Philips Lighting India Limited (PLIL), 5th Floor, Zone 2, Green Heart Bldg., MMTP Phase IV, Manyata Tech Park, Nagavara,	ravi.tumkar@philips.com, ip.india@signify.com
225	CHENNAI	201747033828	08/05/2020 00:00:00	Dr. TV. Ravi Philips Intellectual Property & Standards Philips India Limited Philips Innovation Campus, MFAR, Manyata Tech Park, Manyata Nagar, Nagavara, Bangalore - 560045	ravi.tumkur@philips.com
226	CHENNAI	201747033846	08/05/2020 00:00:00	Dr. T.V. Ravi Philips Intellectual Property & Standards Philips India Limited Philips Innovation Campus, MFAR, Manyata Tech Park, Manyata Nagar, Nagavara, Bangalore - 560045 Telephone No: 080 41892407 Fax No : 080 41892415 E - mail : ravi.tumkur@philips.com	ravi.tumkur@philips.com
227	CHENNAI	201747033345	08/05/2020 00:00:00	DR. T.V. RAVI PHILIPS INTELLECTUAL PROPERTY & STANDARDS PHILIPS ELECTRONICS INDIA LIMITED MANYATA TECH PARK NAGAVARA BANGALORE 560045 Telephone No: 08041892407 Fax No : 08041892415 E mail : ravi.tumkur@philips.com	ravi.tumkur@philips.com
228	CHENNAI	201747037343	08/05/2020 00:00:00	REMFRY & SAGAR, REMFRY HOUSE AT THE MILLENNIUM PLAZA, SECTOR 27, GURGAON - 122 002. NEW DELHI NATIONAL CAPITAL REGION	remfry-sagar@remfry.com

229	CHENNAI	201747026731	08/05/2020 00:00:00	Dr. TV. Ravi Philips Intellectual Property & Standards Philips India Limited Philips Innovation Campus, MFAR, Manyata Tech Park, Manyata Nagar, Nagavara, Bangalore - 560045	ravi.tumkur@philips.com
230	CHENNAI	201747021529	08/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy, Chennai 600 032	patent@depenning.com
231	CHENNAI	201747016602	08/05/2020 00:00:00	REMFRY HOUSE AT THE MILLENNIUM PLAZA, SECTOR 27, GURGAON - 122 002. NEW DELHI NATIONAL CAPITAL REGION	remfry-sagar@remfry.com
232	CHENNAI	201747005910	08/05/2020 00:00:00	LAW FIRM OF NAREN THAPPETA, #7, SIGMA SOFT TECH PARK, 5TH FLOOR, BETA BLOCK, WHITEFIELD MAIN ROAD, VARTHUR KODI, RAMAGONDANAHALLI, BANGALORE - 560 066.	ipo@iphorizons.com,iprdel@lakshmi sri.com,ipo@iphorizons.com
233	CHENNAI	201741004211	08/05/2020 00:00:00	VELTECH Dr. RR & Dr. SR UNIVERSITY, 400 FEET OUTER RING ROAD, AVADI, CHENNAI - 600062, INDIA.	legal@veltechuniv.edu.in,info@rsaip.com
234	CHENNAI	201741004756	08/05/2020 00:00:00	K&S Partners, Intellectual Property Attorneys, 4121/B, 6th Cross, 19A Main, HAL II, Stage (Extension), Bangalore 560 038, Karnataka, INDIA. Phone: 08040427900 Fax No. 08040427901 Mob No.: +91 7349778249 E-mail: ipo@knspartners.com	ip.bangalore@foxmandal.in,bangalore@fo xmandal.in,harish.n@foxmandal.in
235	CHENNAI	201741000517	08/05/2020 00:00:00	Arun Kishore Narasani, Patent Agent ipMetrix Consulting Group No. 84, 1st Floor, 4th Cross, Panduranganagar, Bannerghatta Road, Bangalore- 560076	patent@ipmetrix.com,contact@ipmetrix.c om
236	CHENNAI	201744016532	08/05/2020 00:00:00	KAN AND KRISHME ADVOCATES, PATENT AND TRADEMARK ATTORNEYS KNK House, A-11, Shubham Enclave, Paschim Vihar, New Delhi-11 0063, India Telephone #: 91-11-43776666 (100 Lines) Facsimile #: 91-11-43776676, 43776677 E-mail: knk@kankrishme.com	knk@kankrishme.com,kankrishmefer@g mail.com
237	CHENNAI	201747004247	08/05/2020 00:00:00	REMFRY HOUSE AT THE MILLENNIUM PLAZA, SECTOR 27, GURGAON - 122 002. NEW DELHI NATIONAL CAPITAL REGION	remfry-sagar@remfry.com
238	CHENNAI	201741010898	08/05/2020 00:00:00	House No. #1-2-11/1, ABOVE SBI BANK STREET NO: 2, KAKATIYA NAGAR, HABSIGUDA, HYDERABAD -500007, TELANGANA.	sridhar.prasangi@optimuspharma.com,sri ni@optimuspharma.com
239	CHENNAI	201647040909	08/05/2020 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 Mobile: +919686207117; Fax: 080-66886198 Email: ipo@iphorizons.com	ipo@iphorizons.com
240	CHENNAI	201647023176	08/05/2020 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI-600 032.	patent@depenning.com

241	CHENNAI	201647038366	08/05/2020 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 Mobile: +919686207117; Fax: 080-66886198 Email: ipo@iphorizons.com	ipo@iphorizons.com
242	CHENNAI	201647039178	08/05/2020 00:00:00	DE PENNING & DE PENNING, 120 VELACHERY MAIN ROAD, GUINDY, CHENNAI-600 032.	patent@depenning.com
243	CHENNAI	201647015576	08/05/2020 00:00:00	Anand & 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/ <a href="mailto:archana@anandandanand.com">archana@anandandanand.com</a>	email@anandandanand.com
244	CHENNAI	201647014049	08/05/2020 00:00:00	PATANKAR PRASHANT RAJARAM PLOT No. 12, THANE BELAPUR ROAD, TURBHE, NAVI MUMBAI-400705, MAHARASHTRA, INDIA Mobile no.: +91 7506335637 Email: indian.filing@basf.com	indian.filing@basf.com
245	CHENNAI	201647018456	08/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com
246	CHENNAI	201647020153	08/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com
247	CHENNAI	201647007489	08/05/2020 00:00:00	REMFRY & SAGAR Attorneys-at-Law 376 B (Old No. 202), Avvai Shanmugam Salai,Gopalapuram Chennai - 600 086 Tel/Fax: +91-44-42637392 Email: remfry-sagar@remfry.com patents@remfry.com	remfry-sagar@remfry.com
248	CHENNAI	201644035539	08/05/2020 00:00:00	De Penning & De Penning 120 Velachery Main Road, Guindy , Chennai 600 032	patent@depenning.com
249	CHENNAI	201641023619	08/05/2020 00:00:00	DR.V.A.NAGARAJAN, DR.K.P.VINOD KUMAR, UNIVERSITY COLLEGE OF ENGINEERING, KONAM, NAGERCOIL, KANYAKUMARI DISTRICT, TAMIL NADU, INDIA, PIN - 629 004. <a href="mailto:nagarajanva@yahoo.com">nagarajanva@yahoo.com</a>	nagarajanva@yahoo.com
250	CHENNAI	201641020578	08/05/2020 00:00:00	DR. P. OLIVER JAYA PRAKASH, PROFESSOR OF CIVIL ENGINEERING, MEPCO SCHLENK ENGINEERING COLLEGE, (AUTONOMOUS), SIVAKASI - 626 005,TAMIL NADU, <a href="mailto:poliver@mepcoeng.ac.in">poliver@mepcoeng.ac.in</a>	<a href="mailto:spraba@mepcoeng.ac.in">spraba@mepcoeng.ac.in</a>

251	CHENNAI	187/CHE/2013	08/05/2020 00:00:00	M/S. JAI ASSOCIATES, NO: 1011, 5TH MAIN, BTM 4TH STAGE, 1ST BLOCK, NEAR IOC BUNK, VIJAYA BANK LAYOUT, BANGALORE - 560 076, KARNATAKA.	ipr@jaiip.com,ipr@jaiip.com,afsr14 @gmail.com,afsr14@gmail.com
252	CHENNAI	1681/CHE/2015	08/05/2020 00:00:00	R.K.Dewan & Co. Podar Chambers, S A. Brelvi Road, Fort, Mumbai 400001	dewan@rkdewanmail.com
253	CHENNAI	1096/CHE/2014	08/05/2020 00:00:00	MS. PALLAVI KHARKAR, IPRAM INTELLECTUAL PROPERTY SERVICES, FLAT 23, AGASTHA GODREJ GARDEN ENCLAVE, PIROJSHANGAR, VIKHROLI EAST, MUMBAI - 400 079, MAHARASHTRA, INDIA.	pallavi@ipram.net

**WEEKLY ISSUED FER (KOLKATA)**

SNO	LOCATION	APPLICATION NUMBER	FER DATE	ADDRESS FOR SERVICE	EMAIL
1	KOLKATA	1724/KOLNP/2014	04/05/2020 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
2	KOLKATA	201631004702	04/05/2020 00:00:00	L.S DAVAR & COMPANY 32, RADHA MADHAV DUTTA GARDEN LANE KOLKATA 700010, WEST BENGAL	lsdavar@ca12.vsnl.net.in, lsdavar@cal2.vsnl.net.in, kolkatapatent@Lsdavar.in
3	KOLKATA	201637032614	04/05/2020 00:00:00	5 HARISH MUKHERJEE ROAD	cal@patentindia.com
4	KOLKATA	201634037802	04/05/2020 00:00:00	D.P AHUJA & Co. 14/2 Palm Avenue, Calcutta 700 019, West Bengal, India Telephone No. 91(33)40177100 Mobile No. +919831360050 Fax No. 91(33)40088262 E-mail ID patents@dpahuja.com	patents@dpahuja.com
5	KOLKATA	201734008503	04/05/2020 00:00:00	S. MAJUMDAR & CO., 5 Harish Mukherjee Road, Kolkata 700 025, West Bengal, India	cal@patentindia.com
6	KOLKATA	201734039831	04/05/2020 00:00:00	S. MAJUMDAR & CO., 5 Harish Mukherjee Road, Kolkata 700 025, West Bengal, India	cal@patentindia.com
7	KOLKATA	201734041241	04/05/2020 00:00:00	S. MAJUMDAR & CO., 5 Harish Mukherjee Road, Kolkata 700 025, West Bengal, India	cal@patentindia.com
8	KOLKATA	201737001528	04/05/2020 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata 700 025 West Bengal India	cal@patentindia.com
9	KOLKATA	201737003215	04/05/2020 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata 700 025 West Bengal India	cal@patentindia.com
10	KOLKATA	201737013403	04/05/2020 00:00:00	D.P. AHUJA & CO 14/2 PALM AVENUE CALCUTTA 700019 WEST BENGAL INDIA	patents@dpahuja.com
11	KOLKATA	201737030419	04/05/2020 00:00:00	Name ; D.P AHUJA & Co. Postal Address ; 14/2 Palm Avenue Calcutta 700 019 West Bengal India	patents@dpahuja.com
12	KOLKATA	201737037908	04/05/2020 00:00:00	DATTA & ASSOCIATES COMMERCE HOUSE FIRST FLOOR 2A GANESH CHANDRA AVENUE KOLKATA 700013 (91 33) 2213 2328	mail@dattaassociatesipr.com
13	KOLKATA	201737044204	04/05/2020 00:00:00	S. MAJUMDAR & CO., 5, HARISH MUKHERJEE ROAD, FIRST FLOOR, KOLKATA - 700 025	cal@patentindia.com
14	KOLKATA	201737046870	04/05/2020 00:00:00	S&H PARTNERS Office No. 0A126, 43, Galaxy, Residency Road, Bangalore - 560025, Karnataka, India	patent@sandhpartners.com
15	KOLKATA	201737047396	04/05/2020 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata 700 025 West Bengal India	cal@patentindia.com

16	KOLKATA	201831004598	04/05/2020 00:00:00	L.S.DAVAR & CO. Globsyn Crystals,Tower 1,2nd Floor, Block EP,Plot No. 11 & 12,Salt Lake Sector V, Kolkata 700 091, India	lsdavar@vsnl.com,docketing@lsdavar.in,kolkatapatent@Lsdavar.in
17	KOLKATA	201834006470	04/05/2020 00:00:00	ANJAN SEN & ASSOCIATES 17, CHAKRABERIA ROAD SOUTH, KOLKATA 700 025, WEST BENGAL, INDIA	info@ipindiaasa.com,anjanonline@vsnl.net,info@ipindiaasa.com
18	KOLKATA	201837001733	04/05/2020 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata 700 025 West Bengal India	cal@patentindia.com
19	KOLKATA	201837033359	04/05/2020 00:00:00	S. MAJUMDAR & CO., 5 Harish Mukherjee Road, Kolkata 700 025, West Bengal, India	cal@patentindia.com
20	KOLKATA	201837005319	04/05/2020 00:00:00	L.S.DAVAR & CO. Globsyn Crystals Tower 1 2nd Floor Block EP Plot No. 11 & 12 Salt Lake Sector V Kolkata 700 091 India MOBILE NO. - 9830642650	kolkatapatent@Lsdavar.in
21	KOLKATA	201837013208	04/05/2020 00:00:00	S. MAJUMDAR And CO. 5 Harish Mukherjee Road Kolkata 700 025 West Bengal India	cal@patentindia.com
22	KOLKATA	201837013532	04/05/2020 00:00:00	S. MAJUMDAR And CO. 5 Harish Mukherjee Road First Floor Kolkata 700 025 West Bengal India MOBILE NO. - 9331827882	cal@patentindia.com
23	KOLKATA	201934032232	04/05/2020 00:00:00	D.P AHUJA & Co. 14/2 Palm Avenue, Calcutta 700 019, West Bengal, India	patents@dpahuja.com
24	KOLKATA	201937009469	04/05/2020 00:00:00	L.S.DAVAR & CO. Globsyn Crystals,Tower 1,2nd Floor, Block EP,Plot No. 11 & 12,Salt Lake Sector V, Kolkata 700 091, India	lsdavar@vsnl.com,kolkatapatent@Lsdavar.in
25	KOLKATA	201937010829	04/05/2020 00:00:00	L.S DAVAR & COMPANY Globsyn Crystals, Tower 1, 2nd Floor, Block EP, Plot No. 11 & 12, Salt Lake, Sector V, Kolkata- 700091, West Bengal.	lsdavar@vsnl.com,kolkatapatent@Lsdavar.in
26	KOLKATA	201937032765	04/05/2020 00:00:00	S. MAJUMDAR & CO., 5 Harish Mukherjee Road, Kolkata 700 025, West Bengal, India	cal@patentindia.com
27	KOLKATA	3662/KOLNP/2015	05/05/2020 00:00:00	B. GHOSH C/O DATTA & ASSOCIATES COMMERCE HOUSE, FIRST FLOOR 2A, GANESH CHANDRA AVENUE KOLKATA-700013.	mail@dattaassociatesipr.com
28	KOLKATA	4236/KOLNP/2015	05/05/2020 00:00:00	SEENERGI IPR 7K TANGRA 2ND LANE	mail@seenergi.com,info@seenergi.com
29	KOLKATA	201837006665	05/05/2020 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road First Floor Kolkata 700 025 West Bengal India MOBILE NO. – 9331827882	cal@patentindia.com
30	KOLKATA	201837017904	05/05/2020 00:00:00	L.S.DAVAR And CO. Globsyn Crystals Tower 1 2nd Floor Block EP Plot No. 11 And 12 Salt Lake Sector V Kolkata 700 091 India	lsdavar@vsnl.com,kolkatapatent@Lsdavar.in
31	KOLKATA	201837022674	05/05/2020 00:00:00	L.S DAVAR & COMPANY Globsyn Crystals, Tower 1, 2nd Floor, Block EP, Plot No. 11 & 12, Salt Lake, Sector V, Kolkata- 700091, West Bengal. MOBILE NO: 9831727064	kolkatapatent@Lsdavar.in

32	KOLKATA	201737015204	05/05/2020 00:00:00	D.P. AHUJA & CO 14/2 PALM AVENUE CALCUTTA 700019 WEST BENGAL INDIA	patents@dpahuja.com
33	KOLKATA	201737002342	05/05/2020 00:00:00	D.P. AHUJA & CO 14/2 PALM AVENUE CALCUTTA 700019 WEST BENGAL INDIA	patents@dpahuja.com
34	KOLKATA	201637004048	05/05/2020 00:00:00	MEENAKSHI MAHARAJ C/O D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
35	KOLKATA	201637036175	05/05/2020 00:00:00	D.P. AHUJA & CO 14/2 PALM AVENUE CALCUTTA 700019 WEST BENGAL INDIA	patents@dpahuja.com,info@dpahuja.com
36	KOLKATA	201637039561	05/05/2020 00:00:00	32 Radha Madhav Dutta Garden Lane	kolkatapatent@Lsdavar.in
37	KOLKATA	201637041080	05/05/2020 00:00:00	D.P. AHUJA & CO 14/2 PALM AVENUE CALCUTTA 700019 WEST BENGAL INDIA	patents@dpahuja.com
38	KOLKATA	201637042901	06/05/2020 00:00:00	5 HARISH MUKHERJEE ROAD	cal@patentindia.com
39	KOLKATA	201637042952	06/05/2020 00:00:00	32 Radha Madhav Dutta Garden Lane	kolkatapatent@lsdavar.in,docketing@lsdavar.in,mailinfo@lsdavar.in
40	KOLKATA	201637044906	06/05/2020 00:00:00	LEXORBIS 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,manisha@lexorbis.com,cal@patentindia.com
41	KOLKATA	201637036172	06/05/2020 00:00:00	D.P. AHUJA & CO 14/2 PALM AVENUE CALCUTTA 700019 WEST BENGAL INDIA	patents@dpahuja.com
42	KOLKATA	201631008555	06/05/2020 00:00:00	K.K. MODAK, REGISTERED PATENT AGENT AND IPR ATTORNEY, 5/1A, CENTRAL ROAD, JADAVPUR, KOLKATA-700032, WEST BENGAL, INDIA.	kkmipr@yahoo.co.in
43	KOLKATA	156/KOL/2013	06/05/2020 00:00:00	DR. SANCHITA GANGULI C/O S. MAJUMDER & CO., 5 HARISH MUKHERJEE ROAD, KOLKATA - 700 025, WEST BENGAL, INDIA	cal@patentindia.com
44	KOLKATA	201737000772	06/05/2020 00:00:00	Globsyn Crystals Tower 1 2nd Floor Block EP Plot No. 11 & 12 Salt Lake Sector V	kolkatapatent@Lsdavar.in
45	KOLKATA	201637030250	06/05/2020 00:00:00	32 Radha Madhav Dutta Garden lane	kolkatapatent@Lsdavar.in
46	KOLKATA	201737018135	06/05/2020 00:00:00	5 HARISH MUKHERJEE ROAD	cal@patentindia.com,lnchinta.ipo@nic.in
47	KOLKATA	201737009665	06/05/2020 00:00:00	D.P. AHUJA & CO 14/2 PALM AVENUE CALCUTTA 700019 WEST BENGAL INDIA	patents@dpahuja.com
48	KOLKATA	201737046868	06/05/2020 00:00:00	S.S. DATTA & ASSOCIATES 288/1 B.B. CHATTERJEE ROAD GROUND FLOOR KOLKATA 700042 WEST BENGAL INDIA PHONE : +91 33 2441 6539 MOBILE: 9831170613 EMAIL : PATENT@SSDATTACOM	patent@ssdatta.com

49	KOLKATA	201837029422	06/05/2020 00:00:00	L.S.DAVAR & CO. Globsyn Crystals,Tower 1,2nd Floor, Block EP,Plot No. 11 & 12,Salt Lake Sector V, Kolkata 700 091, India	kolkatapatent@lsdavar.in
50	KOLKATA	201837006958	06/05/2020 00:00:00	S&H Partners Office No. 0A126, 43, Galaxy, Residency Road, Bangalore 560025, India Email: patent@sandhpartners.com, samuel@sandhpartners.com Ph: +91 78999 09460, +91 80731 08490	patent@sandhpartners.com,cal@patentindia.com
51	KOLKATA	201837017334	06/05/2020 00:00:00	Mirandah asia (India), Level 5, Caddie Commercial Tower, Hospitality District, Aerocity, IGI Airport, New Delhi 110 037 +91-9810475229 poojakharb.main@gmail.com,cal@patentindia.com	poojakharb.main@gmail.com,cal@patentindia.com
52	KOLKATA	201837006301	06/05/2020 00:00:00	Name D.P AHUJA & Co. Postal Address 14/2 PALM AVENUE CALCUTTA 700 019 WEST BENGAL INDIA Mobile No. +919831360050	patents@dpahuja.com
53	KOLKATA	201831007497	06/05/2020 00:00:00	L. S. Davar & Co., GLOBSYN CRYSTALS, TOWER 1, 2nd FLOOR, BLOCK EP, PLOT NO. 11 &12, SALT LAKE SECTOR V, KOLKATA 700 091, WEST BENGAL, INDIA	delhi@lsdavar.in,docketing@lsdavar.in,mailinfo@lsdavar.in
54	KOLKATA	201831030692	08/05/2020 00:00:00	DR. SUMIT DASH INSTITUTE OF DENTAL SCIENCES (IDS),BHUBANESWAR, ODISHA-751003.	sumitdash@soa.ac.in
55	KOLKATA	201837002330	08/05/2020 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata 700 025 West Bengal India	cal@patentindia.com
56	KOLKATA	201837010248	08/05/2020 00:00:00	S. MAJUMDAR & CO., 5, HARISH MUKHERJEE ROAD, FIRST FLOOR, KOLKATA - 700 025	cal@patentindia.com
57	KOLKATA	201837010680	08/05/2020 00:00:00	D.P. AHUJA & CO., 14/2 PALM AVENUE, CALCUTTA 700 019, WEST BENGAL, INDIA	patents@dpahuja.com
58	KOLKATA	201837030440	08/05/2020 00:00:00	L.S DAVAR & COMPANY Globsyn Crystals, Tower 1, 2nd Floor, Block EP, Plot No. 11 & 12, Salt Lake, Sector V, Kolkata- 700091, West Bengal, India	kolkatapatent@Lsdavar.in
59	KOLKATA	201737043300	08/05/2020 00:00:00	S. MAJUMDAR & CO. 5 Harish Mukherjee Road Kolkata 700 025 West Bengal India	cal@patentindia.com
60	KOLKATA	201737044185	08/05/2020 00:00:00	S. MAJUMDAR & CO., 5, HARISH MUKHERJEE ROAD, FIRST FLOOR, KOLKATA - 700 025	cal@patentindia.com
61	KOLKATA	201737001993	08/05/2020 00:00:00	5 HARISH MUKHERJEE ROAD	cal@patentindia.com
62	KOLKATA	201737019746	08/05/2020 00:00:00	L.S.DAVAR & CO. Globsyn Crystals Tower 1 2nd Floor Block EP Plot No. 11 & 12 Salt Lake Sector V Kolkata 700 091 India.	lsdavar@vsnl.com,kolkatapatent@Lsdavar.in
63	KOLKATA	201737019888	08/05/2020 00:00:00	Name ; D.P AHUJA & Co. Postal Address ; 14/2 Palm Avenue Calcutta 700 019 West Bengal India Mobile No. ; +919831360050	patents@dpahuja.com

64	KOLKATA	201737021407	08/05/2020 00:00:00	Name ; D.P AHUJA & Co. Postal Address ; 14/2 Palm Avenue Calcutta 700 019 West Bengal India	patents@dpahuja.com
65	KOLKATA	201737021802	08/05/2020 00:00:00	Name ; D.P AHUJA & Co. Postal Address ; 14/2 Palm Avenue Calcutta 700 019 West Bengal India	patents@dpahuja.com
66	KOLKATA	201731038017	08/05/2020 00:00:00	L.S.DAVAR & CO. Globsyn Crystals,Tower 1,2nd Floor, Block EP,Plot No. 11 & 12,Salt Lake Sector V, Kolkata 700 091, India	lsdavar@vsnl.com,docketing@lsdavar.in,kolkatapatent@Lsdavar.in
67	KOLKATA	201637019420	08/05/2020 00:00:00	D.P. AHUJA & CO, 14/2 PALM AVENUE, CALCUTTA-700019, WEST BENGAL, INDIA	patents@dpahuja.com
68	KOLKATA	201637027208	08/05/2020 00:00:00	5 HARISH MUKHERJEE ROAD	cal@patentindia.com
69	KOLKATA	201637000039	08/05/2020 00:00:00	S. MAJUMDAR And CO. 5 Harish Mukherjee Road Kolkata 700 025 West Bengal India	cal@patentindia.com
70	KOLKATA	2960/KOLNP/2015	08/05/2020 00:00:00	32 Radha Madhav Dutta Garden Lane	kolkatapatent@Lsdavar.in
71	KOLKATA	201937032537	08/05/2020 00:00:00	L.S.DAVAR & CO. Globsyn Crystals,Tower 1,2nd Floor, Block EP,Plot No. 11 & 12,Salt Lake Sector V, Kolkata 700091, West Bengal, India	docketing@lsdavar.in,kolkatapatent@Lsdavar.in

## **Application(s) for Restoration of Lapsed Patent(s)**

**[Publication u/s 61(1) Rule 84(3)]**

**Jurisdiction: Patent Office Delhi**

At any time, within two months from the date of this publication, any person interested may give notice of opposition thereto in Form-14 on either or both of the following grounds, that is to say,—

- (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.

The procedures specified in rules 57 to 68 relating to filing of written statement, reply statement, leaving evidence, hearing and cost shall, so far as may be, apply to hearing of the opposition u/s 60 as they apply to the hearing in the opposition proceeding.

As per Rule 57, filing of written statement of opposition and evidence, the opponent shall send a written statement in duplicate setting out the nature of the opponent's interest, the facts upon which he bases his case and relief which he seeks and evidence, if any, along with notice of opposition and **shall deliver to the patentee a copy of the statement and the evidence, if any.**

S N	Patent No. (Erstwhile Application No) / Date of Patent	Title of Patent	Patentee	Date of Cessation
1	292177 (9395/DELNP/2008) / 24/04/2007	EFFICIENT PIECE- WISE UPDATES OF BINARY ENCODED XML DATA	ORACLE INTERNATIONAL CORPORATION of 500 ORACLE PARKWAY, REDWOOD CITY, CA 94065 (US)	24/04/2019

## **AMENDMENT UNDER SECTION 57(KOLKATA)**

**(1)**

In pursuance of leave granted under section 57 of the patents Act, 1970  
the address of the patentee in respect of Patent No.**255483 (2125/KOLNP/2006)**  
has been amended as follows:

FROM

**M/S. TECHNOLOGICAL RESOURCES PTY.LTD.**  
**ADDRESS: 55,COLLINS STREET,MELBOURNE,VICTORIA,AUSTRALIA.**

TO

**TECHNOLOGICAL RESOURCES PTY.LTD**  
**ADDRESS- 120 COLLINS STREET, MELBOURNE, VICTORIA, AUSTRALIA**

**(2)**

In pursuance of leave granted under section 57 of the patents Act, 1970  
the address of the patentee in respect of Patent No.**201674 (IN/PCT/2002/1356/KOL)**  
has been amended as follows:

FROM

**M/S. TECHNOLOGICAL RESOURCES PTY.LTD.**  
**ADDRESS: 55,COLLINS STREET,MELBOURNE,VICTORIA,AUSTRALIA.**

TO

**TECHNOLOGICAL RESOURCES PTY.LTD**  
**ADDRESS- 120 COLLINS STREET, MELBOURNE, VICTORIA, AUSTRALIA**

## 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.**

Seri al Nu mber	Patent Numbe r	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	336573	4485/DELNP/2013	16/12/2010	16/12/2010	ADAPTOR AND DRUG DELIVERY DEVICE	BECTON DICKINSON FRANCE	29/04/2016	DELHI
2	336574	2795/DEL/2015	05/09/2015 16:15:45		SYNERGISTIC FUNGICIDAL COMPOSITION	WILLOWOOD CHEMICALS PRIVATE LIMITED	10/03/2017	DELHI
3	336581	8569/DELNP/2013	30/03/2012	01/04/2011	A SECURITY ARTICLE, DOCUMENT OR ELEMENT AND A METHOD AND APPARATUS FOR DETERMINING AUTHENTICITY OF THE SAME.	F • BRICA NACIONAL DE MONEDA Y TIMBRE REAL CASA DE LA MONEDA, CONSEJO SUPERIOR DE INVESTIGACIONES CIENT • FICAS C.S.I.C.	19/12/2014	DELHI
4	336582	8542/DELNP/2015	11/03/2014	13/03/2013	SYSTEM AND METHODS FOR DETECTION OF INTERNAL SHORTS IN BATTERIES	TIAX LLC	08/07/2016	DELHI
5	336583	5591/DELNP/2012	20/12/2010	23/12/2009	BIODEGRADATION OF CRUSTACEAN BY PRODUCTS	AGRINOS AS	07/03/2014	DELHI
6	336587	10852/DELNP/2015	26/06/2013	26/06/2013	METHOD AND TRANSCEIVER FOR NETWORK DIVERSITY IN LONG DISTANCE COMMUNICATIONS	SAAB AB	08/04/2016	DELHI
7	336593	5848/DELNP/2014	31/01/2013	31/01/2012	PHARMACEUTICAL COMPOSITION COMPRISING A POLYMERIC CARRIER CARGO COMPLEX AND AT LEAST ONE PROTEIN OR PEPIDE ANTIGEN	CUREVAC GMBH	22/05/2015	DELHI
8	336594	6483/DELNP/2015	12/02/2014	20/02/2013	PAIR OF PROGRESSIVE OPHTHALMIC LENSES	Essilor International	24/06/2016	DELHI
9	336597	201617006355	04/09/2014	06/09/2013	POUCHES COMPRISING WATER SOLUBLE FIBROUS WALL MATERIALS AND METHODS FOR MAKING SAME	THE PROCTER & GAMBLE COMPANY	29/07/2016	DELHI
10	336599	9052/DELNP/2012	22/04/2011	23/04/2010	CELL CULTURE MEDIUM COMPRISING SMALL PEPTIDES	LIFE TECHNOLOGIES CORPORATION	27/06/2014	DELHI

11	336607	201617042577	22/07/2015	24/07/2014	CATALYST COMPOSITION AND PROCESS FOR OLIGOMERIZATION OF ETHYLENE TO PRODUCE 1 HEXENE AND/OR 1 OCTENE	SABIC GLOBAL TECHNOLOGIES B.V., LINDE AG	24/03/2017	DELHI
12	336611	6161/DELNP/2012	19/01/2011	21/01/2010	A METHOD, A TRAY AND AN ASSOCIATED DEVICE FOR REMOVAL OF AN ELECTROSTATIC CHARGE	INTERNATIONAL TOBACCO MACHINERY POLAND Sp. z o.o.	06/12/2013	DELHI
13	336612	993/DEL/2008	17/04/2008 16:04:15		VARIABLE LENGTH RACK AND PINION SYSTEM	INDIAN INSTITUTE OF TECHNOLOGY, DELHI	23/10/2009	DELHI
14	336614	201617037856	07/04/2015	07/04/2014	COMPOSITIONS FOR REMOVABLE LABELS	AVERY DENNISON CORPORATION	17/02/2017	DELHI
15	336621	9805/DELNP/2015	19/03/2014	20/03/2013	METHOD OF MAKING SODIUM CARBONATE AND/OR SODIUM BICARBONATE	NEW YORK SYNTHETICS INC.	19/02/2016	DELHI
16	336623	4662/DELNP/2011	11/09/2009	11/06/2009	METHOD AND APPARATUS FOR REGULATING SERVICE OF OPTICAL SYNCHRONOUS DIGITAL HIERARCHY NETWORK	ZTE CORPORATION	27/09/2013	DELHI
17	336624	6505/DELNP/2010	25/02/2009	28/02/2008	SCANNING SYSTEMS	RAPISCAN SYSTEMS, INC.	12/08/2011	DELHI
18	336626	201817010294	11/10/2016	12/10/2015	OXADIAZOLE AMINE DERIVATIVE COMPOUNDS AS HISTONE DEACETYLASE 6 INHIBITOR AND THE PHARMACEUTICAL COMPOSITION COMPRISING THE SAME	CHONG KUN DANG PHARMACEUTICAL CORP.	06/07/2018	DELHI
19	336627	201617026034	26/02/2015	28/02/2014	LITHIUM NICKEL BASED CATHODE ACTIVE MATERIAL METHOD FOR PREPARING SAME AND LITHIUM SECONDARY BATTERY INCLUDING SAME	LG CHEM LTD.	31/08/2016	DELHI
20	336629	5165/DELNP/2011	04/12/2009	05/12/2008	A WIND TURBINE BLADE	VESTAS WIND SYSTEMS A/S	30/11/2012	DELHI
21	336630	1167/DEL/2013	01/01/1900		A SYSTEM AND METHOD FOR MODULAR BUILDING CONSTRUCTION-INSTAHOME	HARPAL SINGH	14/06/2013	DELHI

22	336633	1665/DELNP/2012	10/09/2010	11/09/2009	METHOD FOR CONNECTNG WALLS OF AN ELASTC HOLLOW BODY AT LEAST IN SOME SECTIONS AND HOLLOW BODY	MAM BABYARTIKEL GESELLSCHAFT M.B.H.	05/06/2015	DELHI
23	336641	3081/DEL/2015	28/09/2015 14:46:32	30/09/2014	SINGLE AND MULTI-PRESSURE CONDENSATION SYSTEM	GENERAL ELECTRIC TECHNOLOGY GmbH	24/06/2016	DELHI
24	336645	201617023944	30/12/2014	06/01/2014	HOT MELT PRESSURE SENSITIVE ADHESIVE AND THERMOSET COMPRISING STYRENE BUTADIENE POLYMERS HAVING HIGH VINYL AND HIGH DI BLOCK	KRATON POLYMERS U.S. LLC	31/08/2016	DELHI
25	336648	6244/DELNP/2007	17/03/2005	26/02/2005	METHOD AND APPARATUS FOR SWAPPING LEAD AND REMOTE LOCOMOTIVES IN A DISTRIBUTED POWER RAILROAD TRAIN	GERERAL ELECTRIC COMPANY	31/08/2007	DELHI
26	336650	1629/DELNP/2011	18/09/2009	23/09/2008	TUBE BUNDLE HEAT EXCHANGER FOR CONTROLLING A WIDE PERFORMANCE RANGE	ARVOS GMBH	31/08/2016	DELHI
27	336652	201717026015	27/01/2016	27/01/2015	GSM EVOLUTION PACKET DATA TRAFFIC CHANNEL RESOURCE TRANSMISSION MANAGEMENT - FLEXIBLE DOWNLINK ALLOCATION TECHNIQUE	TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)	17/11/2017	DELHI
28	336654	3814/DELNP/2011	30/10/2008	30/10/2008	SCRAPPING DEVICE FOR A PRESSURISED FILTRATION PLANT	GAUDFRIN	30/03/2012	DELHI
29	336656	4215/DELNP/2011	03/12/2009	04/12/2008	SIDEWALL PROTECTOR RIBS	BRIDGESTONE AMERICAS TIRE OPERATIONS, LLC	13/04/2012	DELHI
30	336657	8683/DELNP/2012	05/04/2011	06/04/2010	POLYETHYLENE RESIN MOLDING MATERIAL FOR CONTAINER LID	Japan Polyethylene Corporation	28/03/2014	DELHI
31	336658	5256/DELNP/2010	29/01/2009	04/03/2008	METHOD OF REMOTE METERING OF ENERGY	ALCATEL LUCENT	25/02/2011	DELHI
32	336659	9934/DELNP/2014	25/04/2013	26/04/2012	PROCESS FOR PREPARING N- (5 - CHLORO -2- ISOPROPYLBENZYL)CY CLOPROPANAMINE	BAYER CROPSCIENCE AG	14/08/2015	DELHI

33	336662	8313/DELNP/2012	23/03/2011	24/03/2010	PROCESS FOR THE PRODUCTION OF RUBBER IONOMERS AND POLYMER NANOCOMPOSITES	ARLANXEO DEUTSCHLAND GMBH	21/03/2014	DELHI
34	336663	201711012363	06/04/2017 14:22:20		POLYDIMETHYLSILOXANE (PDMS) NANOPARTICLES AND PROCESS OF SYNTHESIZING THE SAME FOR LIGAND FREE INTRA-NUCLEAR DELIVERY OF DRUGS	Indian Institute of Technology Kanpur	12/10/2018	DELHI
35	336664	201817015872	14/10/2016	21/10/2015	A METHOD OF CEMENTING A WELLBORE	BAKER HUGHES A GE COMPANY LLC	05/10/2018	DELHI
36	336671	1365/DEL/2010	11/06/2010 16:27:00	15/06/2009	TRANSMISSION FOR A VEHICLE	J. C. BAMFORD EXCAVATORS LIMITED,JCB TRANSMISSIONS	20/09/2013	DELHI
37	336674	4397/DELNP/2011	07/12/2009	08/12/2008	AN ADAPTER DEVICE CONNECTABLE TO A SYRINGE TO FORM AN ASSEMBLY FOR DELIVERING INTRADERMAL INJECTIONS	SID TECHNOLOGIES, LLC,PROGRAM FOR APPROPRIATE TECHNOLOGY IN HEALTH	20/04/2012	DELHI
38	336675	4498/DELNP/2011	15/12/2009	15/12/2008	COMPRESSED AIR LUBRICATOR •	PARKER-ORIGA PNEUMATIK GMBH	08/06/2012	DELHI
39	336677	2732/DELNP/2012	09/09/2010	09/09/2009	ALERT FOR REAL-RISK OF THEFT OR LOSS	ABSOLUTE SOFTWARE CORPORATION	11/09/2015	DELHI
40	336680	2461/DELNP/2012	02/09/2010	30/10/2009	METHOD AND DEVICE FOR SECURELY TRANSMITTING DATA	SIEMENS AKTIENGESELLSCHAFT	21/08/2015	DELHI
41	336682	201717009789	25/08/2014	25/08/2014	WATER TREATMENT DEVICE AND OPERATING METHOD FOR SAME	MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD.	08/09/2017	DELHI
42	336683	3977/DELNP/2011	19/11/2009	19/11/2008	METHOD OF PRODUCING A PANEL AND A CORE THEREFOR •	FIBERCORE IP B.V.	27/09/2013	DELHI
43	336693	5267/DELNP/2011	14/12/2009	12/12/2008	A METHOD AND APPARATUS FOR MEASUREMENT OF COMPOSITION AND FLOW RATES OF A WET GAS	FMC KONGSBERG SUBSEA AS	04/05/2012	DELHI
44	336701	319/DEL/2013	04/02/2013	08/02/2012	SPEED DETECTING DEVICE OF ELEVATOR CAR AND INSPECTION METHOD OF THE ELEVATOR	Hitachi, Ltd.	27/02/2015	DELHI

45	336702	10390/DELNP/2012	01/06/2011	03/06/2010	PROCESS FOR PRODUCING STEEL PIPE FOR AIR BAG	NIPPON STEEL CORPORATION	05/09/2014	DELHI
46	336706	201917016470	21/09/2017	26/09/2016	SELF-SEALING BACK DRAFT DAMPER	YORDANOV, Orlin Bogomilov, STEFANOVA, Elena Aleksandrova	09/08/2019	DELHI
47	336714	4671/DELNP/2015	16/12/2013	20/12/2012	BLOWING DEVICE FOR VEHICLE	DENSO CORPORATION	27/11/2015	DELHI
48	336719	5214/DELNP/2013	01/12/2011	16/12/2010	POWER CONVERSION DEVICE CONTROL DEVICE FOR POWER CONVERSION DEVICE AND CONTROL METHOD FOR POWER CONVERSION DEVICE	HITACHI LTD.	28/11/2014	DELHI
49	336727	201717011675	15/09/2015	18/09/2014	POLYMER COMPOSITION FOR A LAYER OF A LAYER ELEMENT	BOREALIS AG	15/09/2017	DELHI
50	336731	3863/DELNP/2014	29/11/2012	30/11/2011	PESTICIDAL MIXTURES INCLUDING SPIROHETEROCYCLIC PYRROLIDINE DIONES	SYNGENTA PARTICIPATIONS AG	20/02/2015	DELHI
51	336732	2585/DEL/2014	10/09/2014 12:25:46		A SINGLE STEP PROCESS FOR THE PREPARATION OF BUTYL ACETATE	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	31/08/2016	DELHI
52	336733	2990/DEL/2013	08/10/2013 15:56:41		ORGANOSILANE TEMPLATED MESOPOROUS TITANIA NANOPARTICLES DECORATED WITH SiO <sub>2</sub> AND A PROCESS FOR THE PREPARATION THEREOF	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	10/04/2015	DELHI
53	336742	3058/DELNP/2013	28/08/2012	28/10/2011	BOTTOM DOOR OPENING/CLOSING MECHANISM BOTTOM DOOR APPARATUS AND BOTTOM OPEN DOOR HOPPER VEHICLE	QIQIHAO RAILWAY ROLLING STOCK CO. LTD	08/04/2016	DELHI
54	336743	6163/DELNP/2011	18/01/2010	16/01/2009	FLUX AND FLUXING BATH FOR HOT DIP GALVANIZATION&NBS P; PROCESS FOR THE HOT DIP GALVANIZATION OF AN IRON OR STEEL ARTICLE •	Fontaine Holdings NV	11/10/2013	DELHI
55	336745	2423/DELNP/2011	13/05/2010	30/10/2009	A SPIRAL WOUND REVERSE OSMOSIS MEMBRANE ELEMENT	A.O. SMITH (CHINA) ENVIRONMENTAL PRODUCTS CO., LTD.	27/04/2012	DELHI
56	336748	201617014621	29/10/2014	04/11/2013	ACRYLIC DISPERSANTS WITH FUSED AROMATIC IMIDE ANCHOR GROUPS	LUBRIZOL ADVANCED MATERIALS INC.	31/08/2016	DELHI

57	336751	201717044790	06/07/2016	10/07/2015	METHOD FOR PRODUCING CALCIUM DIPROPIONATE	ADDCON EUROPE GMBH	12/01/2018	DELHI
58	336759	4923/DELNP/2006	28/04/2005	30/04/2004	A METHOD FOR VERIFYING A FIRST IDENTITY AND A SECOND IDENTITY OF AN ENTITY	NOKIA TECHNOLOGIES OY	17/08/2007	DELHI
59	336761	9878/DELNP/2015	12/06/2014	13/06/2013	WASTEWATER TREATMENT METHOD AND WASTEWATER TREATMENT SYSTEM	IMITSUBISHI HITACHI POWER SYSTEMS ENVIRONMENTAL SOLUTIONS, LTD.	18/03/2016	DELHI
60	336768	5421/DELNP/2012	07/12/2010	18/12/2009	METHOD OF PRODUCING AN EXTRACT OF GREEN COFFEE	Socit des Produits Nestl SA ,	07/03/2014	DELHI
61	336771	201817019150	09/12/2016	29/01/2016	SYSTEM AND PROCESS FOR THE PRODUCTION OF FUNCTIONALIZED OLEFINIC-BASED POLYMER	EXXONMOBIL CHEMICAL PATENTS INC.	14/09/2018	DELHI
62	336775	7208/DELNP/2012	02/03/2011	05/03/2010	SEAL FOR AUTOMOTIVE VEHICLE DOOR	COOPER STANDARD AUTOMOTIVE ITALY S.P.A.	21/02/2014	DELHI
63	336784	8662/DELNP/2010	30/06/2009	02/07/2008	SYSTEM AND METHOD FOR FILLING OF CONTAINERS OF COLLAPSIBLE TYPE	ECOLEAN AB	02/03/2012	DELHI
64	336785	8290/DELNP/2012	31/03/2011	31/03/2010	DOCUMENT MANAGEMENT SYSTEM, EVALUATION DEVICE, DATA OUTPUT CONTROL DEVICE, DOCUMENT MANAGEMENT METHOD AND DOCUMENT MANAGEMENT PROGRAM	Kabushiki Kaisha Toshiba, TOSHIBA SOLUTIONS CORPORATION	21/03/2014	DELHI
65	336798	6634/DELNP/2014	19/02/2013	20/02/2012	SIDE LIFT SPREADER	ELME SPREADER AB	22/05/2015	DELHI

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Seri al Nu mber	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	336571	149/MUM/2013	17/01/2013 10:50:41		NOVEL 6-NITRO-3-(4-OXO-THIAZOLIDIN-2-YLIDENEAMINO)-2-PHENYL-3H-QUINAZOLIN-4-ONE AND 5-BENZILIDINE DERIVATIVES THEREOF.	JAUHARI SMITA MANISH,RANA ANIRUDDHASINH MAHENDRASINH,DESA I KISHOR RATILAL	17/10/2014	MUMBAI
2	336577	201621009706	21/03/2016 14:09:02		TOROIDAL ROGOWSKI COIL WITH AIR GAPPED MAGNETIC CORE	LARSEN & TOUBRO LIMITED	17/11/2017	MUMBAI
3	336585	3613/MUM/2013	18/11/2013 18:00:42		PHARMACEUTICAL COMPOSITION OF PEMETREXED	FTF PHARMA PRIVATE LIMITED	31/07/2015	MUMBAI
4	336590	2212/MUMNP/2015	05/02/2014	27/02/2013	METHOD FOR PRODUCING PROPYLENE BLOCK COPOLYMER	TOHO TITANIUM CO. LTD.	22/07/2016	MUMBAI
5	336601	2726/MUM/2014	26/08/2014 10:49:59		BIODEGRADABLE MASTERBATCHES AND COMPOSITIONS THEREOF	NORTH MAHARASHTRA UNIVERSITY	26/09/2014	MUMBAI
6	336602	201727028382	12/08/2015	12/01/2015	COSMETIC PRODUCT COMPRISING WATER INSOLUBLE SPONGE IMPREGNATED WITH COSMETIC COMPOSITION HAVING ULTRAVIOLET RAY BLOCKING FUNCTION	LG HOUSEHOLD & HEALTH CARE LTD.	17/11/2017	MUMBAI
7	336609	1972/MUM/2010	09/07/2010		AN APPROACH FOR ENABLING COEXISTENCE FOR RADIO TECHNOLOGIES	Indian Institute of Technology Bombay (IITB),TTSL (Tata Teleservices),Department of Telecommunications (DoT)	09/03/2012	MUMBAI
8	336610	201627034297	07/03/2014	07/03/2014	ISOTHIAZOLE DERIVATIVES AS GPR120 AGONISTS FOR THE TREATMENT OF TYPE II DIABETES	JANSSEN PHARMACEUTICA NV	28/10/2016	MUMBAI

9	336615	2629/MUMNP/2010	03/08/2009	04/08/2008	BASE STATION, TERMINAL, BANK ALLOCATION METHOD, AND DOWNLINK DATA COMUNICTION METHOD	SUN PATENT TRUST	18/03/2011	MUMBAI
10	336616	406/MUMNP/2011	18/09/2009	22/09/2008	RADIO COMMUNICATION DEVICE AND SIGNAL DIVISION METHOD	SUN PATENT TRUST	02/09/2011	MUMBAI
11	336628	2377/MUMNP/2011	28/05/2010	29/05/2009	GRAPHICS PROCESSING UNIT WITH DEFERRED VERTEX SHADING •	QUALCOMM INCORPORATED	03/02/2012	MUMBAI
12	336631	885/MUM/2012	28/03/2012 15:27:01		A SYSTEM FOR PROVIDING ENHANCED ENGINE OIL REPLACEMENT INTERVALS IN A DIESEL POWER GENERATING SET	MAHINDRA AND MAHINDRA LTD.	15/11/2013	MUMBAI
13	336632	1725/MUMNP/2010	29/12/2008	28/01/2008	A METHOD FOR LOCKING AN APPLICATION PROGRAM	ZTE CORPORATION	03/12/2010	MUMBAI
14	336653	1657/MUMNP/2010	09/01/2009	30/01/2008	LOSSLESS MULTI-CHANNEL AUDIO CODEC USING ADAPTIVE SEGMENTATION WITH RANDOM ACCESS POINT (RAP) AND MULTIPLE PREDICTION PARAMETER SET (MPPS) CAPABILITY •	DTS INC.	26/11/2010	MUMBAI
15	336665	201627040102	28/05/2015	09/06/2014	ORAL CARE COMPOSITIONS	UNILEVER PLC	30/12/2016	MUMBAI
16	336666	2565/MUMNP/2010	29/05/2009	02/06/2008	IN-STORE COMBINED SAMPLE DISPENSER AND MERCHANDISING PRODUCT DISPLAY	HINDUSTAN UNILEVER LIMITED	18/03/2011	MUMBAI
17	336669	2820/MUM/2012	27/09/2012 16:11:28	18/10/2011	DEFINING ACTIVE ZONES IN A TRADITIONAL MULTI-PARTY VIDEO CONFERENCE AND ASSOCIATING METADATA WITH EACH ZONE	AVAYA INC	14/03/2014	MUMBAI
18	336670	808/MUM/2015	12/03/2015 17:30:27		TREATMENT OF BIOGAS TO REMOVE HYDROGEN SULPHIDE GAS	PRAJ INDUSTRIES LIMITED	16/09/2016	MUMBAI

19	336673	1474/MUMNP/2012	23/12/2010	23/12/2009	THERMOMECHANICAL TREATMENT METHOD	VOESTALPINE GROBBLECH GMBH	11/10/2013	MUMBAI
20	336678	2773/MUMNP/2011	04/08/2010	21/08/2009	SOCIAL NETWORK VIRTUAL PRIVATE NETWORK	AVAYA INC	11/05/2012	MUMBAI
21	336685	201627016873	11/12/2014	17/12/2013	METHOD FOR PRODUCING COMPOSITE PARTICLES	KRONOS INTERNATIONAL, INC.	19/08/2016	MUMBAI
22	336686	201624022800	01/07/2016 22:12:44	04/02/2016	DISPLAY PANEL AND DISPLAY DEVICE	Shanghai Tianma Micro-Electronics Co., Ltd., Tianma Micro-Electronics Co., Ltd.	15/07/2016	MUMBAI
23	336694	1666/MUMNP/2011	05/02/2010	05/02/2009	METHOD FOR MANUFACTURING VEHICLES	TATA MOTORS LIMITED	09/03/2012	MUMBAI
24	336697	1934/MUMNP/2010	05/03/2009	05/03/2008	MULTI-MODE COMMUNICATION INGESTIBLE EVENT MARKERS AND SYSTEMS	PROTEUS DIGITAL HEALTH, INC.	10/12/2010	MUMBAI
25	336734	2437/MUM/2012	22/08/2012 15:41:14	30/08/2011	THREAD TENSILE FORCE SENSOR	Saurer Germany GmbH & Co. KG	31/01/2014	MUMBAI
26	336741	1425/MUMNP/2012	12/11/2010	09/12/2009	SENSOR ELEMENT FOR A SENSOR DEVICE	HOFFMANN & CO., ELEKTROKOHLE AG	24/01/2014	MUMBAI
27	336747	201727014035	20/10/2015	22/10/2014	CHEMICAL CONVERSION TREATED STEEL PIPE	NISSHIN STEEL CO. LTD.	30/08/2019	MUMBAI
28	336749	723/MUMNP/2015	06/09/2013	21/09/2012	AQUEOUS EMULSION COMPOSITION OF ORGANIC PEROXIDE	ARKEMA FRANCE	29/04/2016	MUMBAI
29	336750	201621040380	25/11/2016 20:57:57		OLIGOMERIZATION PROCESS INVOLVING CRYSTALLINE MOLECULAR SIEVE	HINDUSTAN PETROLEUM CORPORATION LIMITED	10/08/2018	MUMBAI
30	336756	2883/MUM/2011	12/10/2011 15:15:28		A SYSTEM AND METHOD FOR SECURE AUTHENTICATION OF A USER.	TATA CONSULTANCY SERVICES LIMITED	12/04/2013	MUMBAI
31	336765	434/MUMNP/2015	20/08/2013	21/08/2012	METHOD AND DEVICE FOR TRANSMITTING CHANNEL STATE INFORMATION IN WIRELESS COMMUNICATION SYSTEM	LG ELECTRONICS INC.	22/01/2016	MUMBAI

32	336766	271/MUM/2010	03/02/2010 13:24:53		A SYSTEM AND METHOD FOR EXTRACTION AND CONSOLIDATING UNSTRUCTURED DATA IN COMPOSITE FORMATS	KULKARNI-PURANIK, ANITA	19/07/2013	MUMBAI
33	336778	580/MUMNP/2014	15/10/2012	19/10/2011	ROLL SURFACE LAYER MATERIAL FOR HOT ROLLING WITH EXCELLENT FATIGUE RESISTANCE PRODUCED BY CENTRIFUGAL CASTING AND COMPOSITE ROLL FOR HOT ROLLING PRODUCED THROUGH CENTRIFUGAL CASTING	JFE STEEL CORPORATION	03/07/2015	MUMBAI
34	336779	3141/MUM/2012	30/10/2012 15:08:12		MOBILE GROUNDNUT THRESHER	PATEL MOHANBHAI SAVJIBHAI	20/06/2014	MUMBAI

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Ser ial Nu mb er	Patent Numbe r	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	336572	4473/CHE/2014	12/09/2014 15:03:34		PROCESS FOR THE PREPARATION OF FORM-1 OF REGORAFENIB	MYLAN LABORATORIES LTD	26/08/2016	CHENNAI
2	336575	201647021342	18/12/2014	23/12/2013	MECHANICAL TIMEPIECE MOVEMENT WITH MAGNETIC ESCAPEMENT	ETA SA Manufacture Horlog“re Suisse	31/08/2016	CHENNAI
3	336576	4856/CHENP/2013	21/12/2011	24/12/2010	METHOD FOR MANUFACTURING SOLAR CELL ELEMENT AND SOLAR CELL ELEMENT	Shin Etsu Chemical Co. Ltd.	10/06/2016	CHENNAI
4	336579	6495/CHENP/2013	16/01/2012	18/01/2011	ILLUMINATION DEVICE	LUMILEDS HOLDING B.V.	17/06/2016	CHENNAI
5	336580	7186/CHENP/2015	28/04/2014	26/04/2013	METHOD TO WATERMARK A COMPRESSED CONTENT ENCRYPTED BY AT LEAST ONE CONTENT KEY	NAGRAVISION S.A.	01/07/2016	CHENNAI
6	336586	201747024999	04/12/2015	19/12/2014	METHOD OF PRODUCING GRAPHENE	TATA STEEL UK LIMITED	21/07/2017	CHENNAI
7	336591	676/CHE/2010	15/03/2010	17/03/2009	RADIAL CLAMPING SYSTEM FOR A TIMEPIECE COMPONENT	Nivarox-FAR SA	24/09/2010	CHENNAI
8	336592	24/CHENP/2009	28/06/2007	04/07/2006	METHOD OF CONTENT SUBSTITUTION	KONINKLIJKE PHILIPS ELECTRONICS N.V	29/05/2009	CHENNAI
9	336595	1141/CHE/2014	06/03/2014 14:48:28		PROCESS FOR THE PREPARATION OF (1S)-1,5-ANHYDRO-1- C-[4-CHLORO-3-[(4- ETHOXYPHENYL)MET HYL] PHENYL]-D- GLUCITOL AND ITS SOLVATE THEREOF	MSN LABORATORIES PRIVATE LIMITED	11/09/2015	CHENNAI

10	336598	201941008848	07/03/2019 13:49:00		AN ELECTRICAL ENERGY STORAGE DEVICE FOR REDUCING HEAT DISSIPATION IN ENERGY SOURCES	GO GREENEOT (ENERGY OF THINGS) PRIVATE LIMITED	10/05/2019	CHENNAI
11	336600	112/CHENP/2013	30/03/2011	09/07/2010	METHOD FOR THE PRODUCTION OF HOLLOW BODIES FROM THERMOPLASTIC AND APPARATUS FOR CARRYING OUT THE METHOD	KAUTEX TEXTRON GmbH & Co. KG	13/05/2016	CHENNAI
12	336603	5036/CHENP/2012	07/12/2010	08/12/2009	SELECTIVE IYSIS OF CELLS	BIOCARTIS NV	21/03/2014	CHENNAI
13	336604	612/CHE/2012	20/02/2012		A PORTABLE CABLE WAY FOR POINT TO POINT CONVEYANCE OF GOODS	INDIAN INSTITUTE OF TECHNOLOGY MADRAS	23/08/2013	CHENNAI
14	336605	3578/CHE/2012	29/08/2012 15:50:41		OIL SUMP WITH BENT PIPE ACTING AS OIL RESERVOIR FOR THE OIL DRAIN LINE OF OIL SEPARATOR	ASHOK LEYLAND LIMITED	07/03/2014	CHENNAI
15	336606	201647038569	07/05/2015	12/05/2014	METHOD FOR PREDICTING ROLLING RESISTANCE OF TIRE AND DEVICE FOR PREDICTING ROLLING RESISTANCE OF TIRE	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL LTD.)	09/12/2016	CHENNAI
16	336613	9164/CHENP/2011	11/06/2010	11/06/2009	A METHOD AND APPARATUS FOR DISPATCHING A CHANNEL QUALITY INDICATOR FEEDBACK IN MULTICARRIER SYSTEM	QUALCOMM INCORPORATED	24/05/2013	CHENNAI
17	336617	4610/CHE/2011	27/12/2011 16:23:05		INTAKE AIR AND EGR GAS MIXING SYSTEM FOR AN IC ENGINE	ASHOK LEYLAND LIMITED	21/08/2015	CHENNAI
18	336618	3654/CHE/2011	24/10/2011 17:12:02		INTERNAL COMBUSTION ENGINE	TVS MOTOR COMPANY LIMITED	21/06/2013	CHENNAI
19	336619	4418/CHE/2012	23/10/2012 17:03:21		METHOD AND SYSTEM FOR ADAPTING USER INTERFACE BASED ON PRESSURE PROFILES GENERATED BY USER INTERACTION	SAMSUNG R & D INSTITUTE INDIA-BANGALORE PRIVATE LIMITED	22/04/2016	CHENNAI
20	336622	201847018500	31/03/2017	04/04/2016	ION-CONDUCTING MEMBRANES	DIOXIDE MATERIALS, INC.	25/05/2018	CHENNAI

21	336625	7183/CHENP/2011	12/04/2010	10/04/2009	HEADER COMPRESSION FOR IP RELAY NODES	QUALCOMM INCORPORATED	26/12/2014	CHENNAI
22	336634	721/CHE/2009	30/03/2009		PROTECTING REHEATER COIL	BHARAT HEAVY ELECTRICALS LIMITED	17/08/2012	CHENNAI
23	336635	379/CHENP/2013	21/06/2011	25/06/2010	MULTI-CHANNEL MULTI-PORT MEMORY	QUALCOMM Incorporated	20/05/2016	CHENNAI
24	336636	2713/CHE/2009	06/11/2009 16:29:20		DEVICE FOR ORGANIZING AND ROUTING OF AN ELONGATED BODY	SCHNEIDER ELECTRIC INDUSTRIES SAS	13/05/2011	CHENNAI
25	336637	6527/CHENP/2013	02/03/2012	02/03/2011	HIGH THROUGHPUT REACTOR ASSEMBLY FOR POLYMERIZATION OF OLEFINS	BOREALIS AG	18/07/2014	CHENNAI
26	336638	7522/CHENP/2011	22/03/2010	20/03/2009	SYSTEM FOR FORMING LAYERS OF PACKAGES TO BE PALLETIZED AND PALLETIZATION PLANT THEREOF	S.I.P.A. SOCIETA INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.p.A.	03/05/2013	CHENNAI
27	336640	1888/CHENP/2012	25/08/2010	25/08/2009	RETROREFLECTIVE ARTICLE COMPRISING RETROREFLECTIVE PRISM ELEMENTS AND AN ETCHED REFLECTIVE METAL COATING	AVERY DENNISON CORPORATION	02/11/2012	CHENNAI
28	336642	631/CHENP/2013	13/07/2011	24/08/2010	ASPIRATOR DEVICE FOR AIR COOLED FUEL CELL	SUZUKI MOTOR CORPORATION	20/05/2016	CHENNAI
29	336643	7483/CHENP/2014	14/03/2013	14/03/2012	METAL PIGMENT- AND SOLVENT- CONTAINING PIGMENT PASTES, AND USE THEREOF FOR PRODUCING EFFECT-PRODUCING SOLVENT- CONTAINING COATING MATERIALS	BASF COATINGS GMBH	01/07/2016	CHENNAI
30	336644	201747003311	23/07/2015	31/07/2014	ALKYL CAPPED OIL SOLUBLE POLYMER VISCOSITY INDEX IMPROVING ADDITIVES FOR BASE OILS IN AUTOMOTIVE APPLICATIONS	Dow Global Technologies LLC ,TOTAL MARKETING SERVICES	26/05/2017	CHENNAI
31	336646	7347/CHENP/2009	14/05/2008	15/05/2007	A WHEEL BEARING DEVICE, AN ASSEMBLY AND A METHOD OF ASSEMBLING A WHEEL BEARING DEVICE.	NTN CORPORATION	12/03/2010	CHENNAI

32	336647	201747008277	29/09/2015	01/10/2014	IMPROVEMENTS RELATING TO ETHYLENE OXIDE RECOVERY	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	26/05/2017	CHENNAI
33	336649	724/CHE/2011	10/03/2011 21:03:07		A PEPPER THRESHING MACHINE	Palath Kuttappan	07/02/2014	CHENNAI
34	336655	5015/CHENP/2014	10/12/2012	23/12/2011	AN OUTDOOR LUMINAIRE	SIGNIFY HOLDING B.V.	18/09/2015	CHENNAI
35	336661	5307/CHENP/2010	20/02/2009	22/02/2008	METHODS AND APPARATUS FOR CONTROLLING TRANSMISSION OF A BASE STATION	QUALCOMM Incorporated	10/12/2010	CHENNAI
36	336667	751/CHENP/2014	28/06/2012	01/07/2011	ETHERS OF BIS(HYDROXYMETHYL)CYCLOHEXANES	BASF SE	01/07/2016	CHENNAI
37	336668	2666/CHENP/2015	04/11/2013	05/11/2012	METHOD AND APPARATUS FOR CELL LYSIS AND EXTRACTION	STREAMLINE AUTOMATION, LLC	01/07/2016	CHENNAI
38	336672	4119/CHENP/2011	28/04/2009	17/12/2008	A MAGNETIC DETACHER	Tyco Fire & Security GmbH	21/09/2012	CHENNAI
39	336676	9206/CHENP/2014	18/09/2008	18/09/2007	AN ENZYME ELECTRODE AND A METHOD FOR PRODUCING THE SAME	ULTIZYME INTERNATIONAL LTD., BIOENGINEERING LABORATORIES, LLC, ARKRAY, INC.	01/07/2016	CHENNAI
40	336679	6273/CHENP/2010	07/04/2009	18/04/2008	WIRELESS TERMINAL	SONY CORPORATION	03/06/2011	CHENNAI
41	336684	2550/CHENP/2015	09/10/2013	10/10/2012	ROLLING STAND WITH THREE WORKING ROLLS	DANIELI & C. OFFICINE MECCANICHE S.P.A.	01/07/2016	CHENNAI
42	336689	6321/CHENP/2013	03/01/2012	05/01/2011	AN AUDIO SYSTEM AND METHOD OF OPERATION THEREFOR	KONINKLIJKE PHILIPS ELECTRONICS N.V.	26/09/2014	CHENNAI
43	336691	6506/CHENP/2015	27/03/2014	29/03/2013	APPARATUS FOR THE SURFACE ELECTROLYTIC TREATMENT IN CONTINUOUS OF METAL SEMI-FINISHED PRODUCTS IN PARTICULAR FLAT METAL SEMI-FINISHED PRODUCTS	TENOVA S.P.A.	01/07/2016	CHENNAI
44	336695	5487/CHENP/2011	17/12/2009	13/02/2009	DEVICE FOR SECURING POST IN TERMINAL CLAMP	ROBERT BOSCH GMBH	05/10/2012	CHENNAI
45	336696	9986/CHENP/2012	29/04/2011	30/04/2010	MODIFIED BINDING PROTEINS INHIBITING THE VEGF-A RECEPTOR INTERACTION	MOLECULAR PARTNERS AG	18/04/2014	CHENNAI

46	336698	1014/CHENP/2012	02/07/2010	06/07/2009	BURNER AND METHOD FOR PROCESSING OXIDIZABLE MATERIALS	Air Products and Chemicals Inc.	02/11/2012	CHENNAI
47	336699	868/CHENP/2013	06/07/2011	08/07/2010	HIGH VOLTAGE SHIELDING DEVICE AND A SYSTEM COMPRISING THE SAME	ABB Schweiz AG	05/12/2014	CHENNAI
48	336704	471/CHE/2015	30/01/2015 19:20:17		SYSTEM AND METHOD FOR BORESIGHTING	Zen Technologies Limited	26/08/2016	CHENNAI
49	336707	5732/CHENP/2009	07/03/2008	16/03/2007	METHOD AND APPARATUS FOR REALIZING SPACE DIVISION MULTIPLEXING	CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY	05/02/2010	CHENNAI
50	336708	201647026863	09/01/2015	14/01/2014	SUBSTITUTED BICYCLIC HETEROARYL COMPOUNDS AS RXR AGONISTS	CONNEXIOS LIFE SCIENCES PVT. LTD.	31/08/2016	CHENNAI
51	336711	8987/CHENP/2012	11/04/2011	12/04/2010	SESSION PARAMETERS IN THE PERIODIC ASSISTANCE DATA DELIVERY	NOKIA TECHNOLOGIES OY	14/02/2014	CHENNAI
52	336712	6740/CHENP/2013	23/01/2012	27/01/2011	METHOD FOR PROCESSING THIN STILLAGE AND APPARATUS FOR PRODUCING A PROTEIN CONTAINING PRODUCT	GEA MECHANICAL EQUIPMENT GMBH	01/08/2014	CHENNAI
53	336713	1066/CHENP/2013	22/07/2011	30/07/2010	VARIABLE-LOAD VALVE AND BRAKE CONTROL DEVICE	NABTESCO CORPORATION	05/12/2014	CHENNAI
54	336715	501/CHE/2013	05/02/2013 16:52:14	08/02/2012	INTAKE SYSTEM OF INTERNAL COMBUSTION ENGINE	HONDA MOTOR CO., LTD.	07/08/2015	CHENNAI
55	336716	9907/CHENP/2012	05/04/2011	30/04/2010	PORTABLE IMAGE FORMING DEVICE	SHARP KABUSHIKI KAISHA	18/04/2014	CHENNAI
56	336718	37/CHENP/2012	07/06/2010	12/06/2009	SILICON-BASED OPTICAL MODULATOR WITH IMPROVED EFFICIENCY AND CHIRP CONTROL	CISCO TECHNOLOGY, INC	15/03/2013	CHENNAI
57	336720	1713/CHE/2014	30/09/2014		A PROCESS FOR SYNTHESIZING CARBON NANO TUBES (CNT™S) MODIFIED NANO-MULLITIC HOLLOW SPHERES	CENTRAL POWER RESEARCH INSTITUTE	01/07/2016	CHENNAI

58	336721	10162/CHENP/2012	09/05/2011	10/05/2010	CAR BODY STRUCTURE, ESPECIALLY A SUBSTRUCTURE, FOR A MOTOR VEHICLE	VOLKSWAGEN AKTIENGESELLSCHAFT	16/05/2014	CHENNAI
59	336722	9925/CHENP/2011	09/07/2010	10/07/2009	AUTHENTICATION TOKEN WITH INCREMENTAL KEY ESTABLISHMENT CAPABILITY	VASCO DATA SECURITY INTERNATIONAL GMBH	31/05/2013	CHENNAI
60	336724	1025/CHENP/2013	27/04/2011	13/07/2010	SOLENOID VALVE	KEIHIN CORPORATION	27/05/2016	CHENNAI
61	336726	4499/CHE/2015	27/08/2015 12:08:28		UNIVERSAL BACK RESTING DEVICE	INDIRA GANDHI INSTITUTE OF DENTAL SCIENCES, SENTHIL MURUGAPPAN, SRI BALAJI VIDYAPEETH	03/03/2017	CHENNAI
62	336728	1324/CHE/2012	02/04/2012 16:15:46	04/04/2011	POSITION LIGHT, HEADLIGHT STRUCTURE, AND COWL STRUCTURE FOR SADDLE-RIDE TYPE VEHICLE	HONDA MOTOR CO., LTD.	25/03/2016	CHENNAI
63	336729	6131/CHENP/2015	14/03/2014	15/03/2013	CATALYST FOR TREATING EXHAUST GAS	JOHNSON MATTHEY PUBLIC LIMITED COMPANY	01/07/2016	CHENNAI
64	336730	201747012347	07/10/2015	09/10/2014	PURIFICATION OF CHLOROSILANES BY MEANS OF DISTILLATION AND ADSORPTION	WACKER CHEMIE AG	21/04/2017	CHENNAI
65	336735	201747028729	28/01/2016	29/01/2015	ANTI-PULMONARY TUBERCULOSIS NITROIMIDAZOLE DERIVATIVE	JUMBO DRUG BANK CO., LTD.	25/08/2017	CHENNAI
66	336736	4493/CHE/2014	15/09/2014 14:47:16		PHARMACEUTICAL COMPOSITION, EMULGEL COMPRISING GLUCOSAMINE SULPHATE AND PERMEATION ENHANCER	M. S. Ramaiah University of Applied Sciences	01/07/2016	CHENNAI
67	336737	350/CHE/2013	28/01/2013 15:55:13		DEVICE INSTALLED ABOVE THE GROUND FOR TRANSFORMING THE ENERGY OF MOVING VEHICLES INTO USEFUL ENERGY	BORIS VJ BRITTO	20/05/2016	CHENNAI

68	336738	1576/CHENP/2014	24/08/2012	29/08/2011	LADDER	BASF SE	01/07/2016	CHENNAI
69	336739	492/CHENP/2013	20/06/2011	24/06/2010	PLANT DISEASE CONTROL COMPOSITION AND METHOD OF CONTROLLING PLANT DISEASE	SUMITOMO CHEMICAL COMPANY, LIMITED	20/05/2016	CHENNAI
70	336740	403/CHENP/2013	21/06/2011	22/06/2010	ELECTRICAL CONDUCTOR WITH SURROUNDING ELECTRICAL INSULATION	ABB Schweiz AG	31/08/2016	CHENNAI
71	336744	201747009539	21/09/2015	22/09/2014	IMPROVED CATALYST STABILITY AND CORROSION PREVENTION IN ACETIC ACID PRODUCTION PROCESS	LYONDELLBASELL ACETYLS, LLC	21/04/2017	CHENNAI
72	336746	7792/CHENP/2014	18/04/2013	28/04/2012	COMPOSITE ARTICLE AND METHODS THEREFOR	GENERAL ELECTRIC COMPANY	01/07/2016	CHENNAI
73	336752	4755/CHE/2012	14/11/2012 15:06:28		METHOD AND SYSTEM FOR PERFORMING UPLINK HARQ OPERATION IN AN ASYMMETRIC MULTICARRIER COMMUNICATION NETWORK ENVIRONMENT	SAMSUNG R & D INSTITUTE INDIA BANGALORE PRIVATE LIMITED	22/07/2016	CHENNAI
74	336754	6980/CHENP/2013	22/02/2012	24/02/2011	SERVICE ACCESS POINT FOR A UNINTERRUPTIBLE POWER SUPPLY	SCHNEIDER ELECTRIC IT CORPORATION	26/09/2014	CHENNAI
75	336758	6373/CHENP/2012	20/01/2011	25/01/2010	A METHOD OF PRODUCING A DEVICE COMPRISING AT LEAST ONE DISPLACEABLE OPERATING MEMBER AS WELL AS SUCH A DEVICE	KONINKLIJKE PHILIPS ELECTRONICS N.V.	04/12/2015	CHENNAI
76	336760	3127/CHENP/2013	22/08/2006	28/09/2005	A CRANE HAVING AN UNDERCARRIAGE AND SUPERSTRUCTURE	TEREX CRANES GERMANY GmbH	22/08/2014	CHENNAI
77	336763	3600/CHE/2010	29/11/2010 14:17:41		MULTI-CORE ELECTRICAL MACHINE AS ALTERNATOR/MOTOR	AKBER AYUB	15/07/2011	CHENNAI
78	336764	2958/CHE/2008	26/11/2008 16:29:18		METHOD AND SYSTEM FOR IMPLEMENTING A DOCUMENT OBJECT MODEL (DOM) TREE	SAMSUNG R & D INSTITUTE INDIA-BANGALORE PRIVATE LIMITED	01/11/2013	CHENNAI

79	336769	4663/CHENP/2014	21/11/2012	21/11/2011	HEAT EXCHANGE MATRIX	OXYCOM BEHEER B.V.	18/09/2015	CHENNAI
80	336773	8384/CHENP/2013	23/03/2012	29/03/2011	TENTER OVEN AND MANUFACTURING METHOD FOR STRETCHED FILM	TORAY INDUSTRIES INC.	15/08/2014	CHENNAI
81	336774	3771/CHE/2014	01/08/2014 10:50:43	21/08/2013	HIGH PRESSURE FUEL PUMP	SUZUKI MOTOR CORPORATION	01/07/2016	CHENNAI
82	336776	201747020111	21/12/2015	23/12/2014	A PROCESS FOR PREPARING AN AROMATIC CARBONATE	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	16/06/2017	CHENNAI
83	336777	2675/CHE/2012	04/07/2012	04/07/2011	DEVICE AND METHOD FOR CONTROLLING OUTPUT OF LOAD	CLIPSAL AUSTRALIA PTY LTD.	08/04/2016	CHENNAI
84	336780	201741043550	05/12/2017 14:56:07		DISPOSABLE NITRIC OXIDE SENSOR CONSTRUCTION USING GALLIUM NITRIDE NANOWIRES AND ITS METHOD THEREOF	ANNA UNIVERSITY, CHENNAI	15/12/2017	CHENNAI
85	336781	201647012795	19/09/2013	19/09/2013	SADDLED VEHICLE AND FUEL STRAINER	HONDA MOTOR CO., LTD.	05/08/2016	CHENNAI
86	336782	9467/CHENP/2013	22/06/2012	30/06/2011	A DECODING/CODING METHOD FOR DECODING/CODING A CONTROL PARAMETER OF AN IMAGE	Sun Patent Trust	24/06/2016	CHENNAI
87	336783	2154/CHENP/2014	24/09/2012	25/09/2011	VEHICLE SEAT DEVICE	TS TECH CO. LTD.	29/05/2015	CHENNAI
88	336786	201747020097	11/12/2014	11/12/2014	AIR PURIFICATION INSTALLATION	LUWA AIR ENGINEERING AG	16/06/2017	CHENNAI
89	336787	6512/CHENP/2012	25/01/2011	27/01/2010	POROUS CARBON PRODUCT AND METHOD FOR THE PRODUCTION THEREOF	HERAEUS QUARZGLAS GMBH & CO. KG	10/01/2014	CHENNAI
90	336788	7315/CHENP/2014	05/04/2013	06/04/2012	TIRE INFLATION SYSTEM	DANA HEAVY VEHICLE SYSTEMS GROUP, LLC	01/07/2016	CHENNAI
91	336789	2938/CHE/2014	17/06/2014 14:07:21	27/06/2013	EXHAUST GAS RECIRCULATION SYSTEM FOR VEHICULAR ENGINES	SUZUKI MOTOR CORPORATION	29/01/2016	CHENNAI
92	336790	8027/CHENP/2010	01/05/2009	30/05/2008	FIXED-TYPE, CONSTANT-VELOCITY UNIVERSAL JOINT	NTN CORPORATION	19/08/2011	CHENNAI
93	336791	201644009143	16/03/2016 16:01:16	23/03/2015	GEAR SHIFT OPERATION DEVICE, TRANSMISSION, AND PLATE	HONDA MOTOR CO., LTD.	07/10/2016	CHENNAI

94	336792	617/CHENP/2014	28/06/2012	29/06/2011	PISTON WITH AN UNDERCROWN SUPPORT FEATURE	Federal-Mogul LLC	12/12/2014	CHENNAI
95	336793	7823/CHENP/2015	19/09/2013	03/07/2013	ELECTRIC POWER STEERING APPARATUS	MITSUBISHI ELECTRIC CORPORATION	26/08/2016	CHENNAI
96	336796	2362/CHE/2012	13/06/2012		SLOT AND PIN SLIDING MECHANISM FOR LOCKING/UNLOCKING OF THE SEGMENT MOLD IN HYDRAULIC TIRE CURING PRESS	LARSEN & TOUBRO LIMITED	27/11/2015	CHENNAI
97	336797	1656/CHE/2013	12/04/2013	20/04/2012	POLYGLYCEROL PARTIAL ESTERS AS DEFOAMERS	EVONIK DEGUSSA GMBH	14/11/2014	CHENNAI
98	336799	10791/CHENP/2012	19/05/2011	28/06/2010	VEHICLE CONTROL UNIT	HONDA MOTOR CO., LTD.	23/05/2014	CHENNAI
99	336800	5540/CHENP/2015	26/03/2014	29/03/2013	POWER SOURCE SUPPLY STRUCTURE OF SADDLE TYPE VEHICLE	HONDA MOTOR CO. LTD.	01/07/2016	CHENNAI
100	336801	1289/CHE/2009	03/12/2009		PORTABLE WATER PRODUCTION FROM DRAINAGE WATER USING REVERSE OSMOSIS TECHNIQUE AND EFFICIENT COUNTER FLOW HEAT EXCHANGER	DOMMARAJU KRISHNA MOHAN RAJU	11/05/2012	CHENNAI
101	336802	7013/CHENP/2015	11/04/2014	19/04/2013	METHOD FOR PRODUCING METHYLMETHACRYLATE	Rhm GmbH	31/08/2016	CHENNAI
102	336803	2813/CHENP/2012	31/08/2010	29/09/2009	TREATMENT ELEMENT FOR TREATING MATERIAL IN A MULTI-SHAFT WORM MACHINE AND MULTI-SHAFT WORM MACHINE	COPERION GMBH	31/05/2013	CHENNAI
103	336804	201741005813	18/02/2017 14:38:00		AN IMPROVED PROCESS FOR THE PREPARATION OF CLOMIPRAMINE HYDROCHLORIDE	SOLARA ACTIVE PHARMA SCIENCES LIMITED	24/08/2018	CHENNAI
104	336805	2772/CHENP/2011	04/01/2010	17/01/2009	CLAMPING TOOL HOLDER	KENNAMETAL INC.	09/03/2012	CHENNAI
105	336806	201942002408	27/06/2017		A Pulse Combustor	Rajeev Hiremath	17/05/2019	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.**

Seri al Nu mber	Patent Numbe r	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	336578	46/KOLNP/2013	12/08/2011	13/08/2010	PANCREATIC CANCER BIOMARKERS AND USES THEREOF	SOMALOGIC, INC.	21/06/2013	KOLKATA
2	336584	662/KOL/2010	22/06/2010 15:36:23	25/06/2009	FREE-WHEEL CAGE RING WITH CENTRIFUGAL-FORCE LIFTING	RINGSPANN GMBH	19/10/2012	KOLKATA
3	336588	336/KOL/2015	26/03/2015 17:16:07		A GUANIDINE BASED REAGENT AND METHOD OF ITS SYNTHESIS FOR ENHANCED IRON ORE-GANGUE SEPARATION	Tata Steel Limited	13/10/2017	KOLKATA
4	336589	2547/KOLNP/2011	20/11/2009	19/12/2008	DECORATIVE ELEMENT FOR WATER FITTINGS AND METHOD FOR PRODUCING SAID DECORATIVE ELEMENT FOR WATER FITTINGS	SCHOCK GMBH	09/12/2011	KOLKATA
5	336596	699/KOLNP/2013	30/09/2011	01/10/2010	VEHICLE SEAT AND STIFFNESS SETTING METHOD FOR VEHICLE SEAT	NISSAN MOTOR CO., LTD.	12/07/2013	KOLKATA
6	336608	201831023035	20/06/2018 17:15:00		WARRANTY TRACKING SYSTEM WITH PRODUCT INFORMATION AND METHOD THEREOF	Sangram Das	13/07/2018	KOLKATA
7	336620	871/KOL/2012	31/07/2012 16:39:30	12/08/2011	DATA TRANSMITTING DEVICES, DATA RECEIVING DEVICES, METHODS FOR CONTROLLING A DATA TRANSMITTING DEVICE, AND METHODS FOR CONTROLLING A DATA RECEIVING DEVICE	INTEL DEUTSCHLAND GMBH,	26/08/2016	KOLKATA

8	336639	1929/KOLNP/2014	18/02/2013	20/02/2012	METHODS AND SYSTEMS FOR ENERGY CONVERSION AND GENERATION INVOLVING ELECTROLYSIS OF WATER AND HYDROGENATION OF CARBON DIOXIDE TO METHANE	THERMOGAS DYNAMICS LIMITED	30/10/2015	KOLKATA
9	336651	2516/KOLNP/2013	05/03/2012	04/03/2011	IMPROVEMENTS IN OR RELATING TO STAIRLIFTS	STANNAH STAIRLIFTS LIMITED	06/12/2013	KOLKATA
10	336660	857/KOL/2010	03/08/2010 16:21:50	02/09/2009	XHAUST SYSTEM, A SADDLE RIDING TYPE VEHICLE HAVING THE SAME, AND A METHOD OF MANUFACTURING AND MOUNTING AN EXHAUST PIPE	YAMAHA HATSUDOKI KABUSHIKI KAISHA	02/09/2016	KOLKATA
11	336681	701/KOL/2009	05/05/2009 16:04:38	31/05/2008	APPARATUS ON A FLAT CARD OR ROLLER CARD HAVING A CYLINDER AND AT LEAST ONE DOFFER	TRTZSCHLER GMBH & CO. KG	02/09/2016	KOLKATA
12	336687	14/KOLNP/2013	28/06/2011	06/07/2010	VIDEO DECODER AND METHOD OF DECODING A SEQUENCE OF PICTURES	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	28/06/2013	KOLKATA
13	336688	483/KOLNP/2014	07/04/2013	08/10/2012	METHOD AND APPARATUS FOR BUILDING MOTION VECTOR LIST FOR MOTION VECTOR PREDICTION	HUAWEI TECHNOLOGIES CO. LTD.	09/05/2014	KOLKATA
14	336690	2312/KOLNP/2013	18/01/2012	21/01/2011	INTERCONNECTION FOR CONNECTING A SWITCHED MODE INVERTER TO A LOAD	TELEDYNE UK LIMITED	04/04/2014	KOLKATA
15	336692	4624/KOLNP/2010	09/06/2009	09/06/2008	AIR SUPPLY APPARATUS AND COOLING FACILITY FOR HOT GRAIN/LUMP MATERIAL PROVIDED WITH THE AIR SUPPLY APPARATUS	JP STEEL PLANTECH CO.,	04/02/2011	KOLKATA
16	336700	1121/KOLNP/2011	12/03/2010	12/03/2009	THE METHOD FOR SWITCHING OPERATING CARRIER AT A USER EQUIPMENT IN WIRELESS COMMUNICATION SYSTEM	LG ELECTRONICS INC.	01/07/2011	KOLKATA

17	336703	2581/KOLNP/2014	22/05/2013	22/05/2012	MENINGOCOCCUS SEROGROUP X CONJUGATE	NOVARTIS AG	08/05/2015	KOLKATA
18	336705	1294/KOL/2012	09/11/2012 15:21:41		A NOVEL, INTELLIGENT AND COST-EFFECTIVE COMBINED COMBUSTION CONTROL SYSTEM FOR INDUSTRIAL POWER GENERATION	BHOWMICK, MADAN,BERA, SATISH CHANDRA	16/05/2014	KOLKATA
19	336709	2141/KOLNP/2010	10/12/2008	10/12/2007	APPARATUS AND PROCESS FOR FORMING PROFILES WITH A VARIABLE HEIGHT BY MEANS OF COLD ROLLING	DATA SHEET METAL SOLUTIONS GMBH	08/10/2010	KOLKATA
20	336710	190/KOL/2014	17/02/2014 13:49:54		CONTROLLED RELEASE MUCOADHESIVE MICROCAPSULES OF VENLAFAXINE	DR. SURYAKANTA SWAIN,DR. CHINAM NIRANJAN PATRA,DR. MUDDANA ESWARA BHANOJI RAO,SRIKANTA PATRA	21/08/2015	KOLKATA
21	336717	4164/KOLNP/2011	12/03/2010	12/03/2009	HEAT ENGINE WITH REGENERATOR AND TIMED GAS EXCHANGE	SEALE, JOSEPH, B.,BERGSTROM, GARY	06/07/2012	KOLKATA
22	336723	2060/KOLNP/2012	09/03/2011	12/03/2010	METHOD FOR MANUFACTURING GRAIN ORIENTED ELECTRICAL STEEL SHEETS	JFE STEEL CORPORATION	22/03/2013	KOLKATA
23	336725	1390/KOL/2009	26/11/2009 16:40:08		HIGH PRESSURE ISOLATING DEVICE FOR CLASS 4500	BHARAT HEAVY ELECTRICALS LIMITED	19/10/2012	KOLKATA
24	336753	2534/KOLNP/2013	21/02/2012	21/02/2011	METHOD OF EFFICIENTLY REPORTING USER EQUIPMENT TRANSMISSION POWER AND APPARATUS THEREOF	SAMSUNG ELECTRONICS CO., LTD.	04/04/2014	KOLKATA
25	336755	3468/KOLNP/2013	25/07/2012	28/07/2011	METHOD AND APPARATUS FOR HEATING STEEL SHEET	JFE STEEL CORPORATION	14/02/2014	KOLKATA
26	336757	719/KOLNP/2015	29/08/2013	04/09/2012	CROSS FLOW FAN	DAIKIN INDUSTRIES LTD.	18/12/2015	KOLKATA
27	336762	1541/KOL/2011	09/12/2011 16:48:24		SINTERING MATERIAL CHARGING APPARATUS	JFE STEEL CORPORATION	14/06/2013	KOLKATA
28	336767	3793/KOLNP/2012	19/04/2011	25/05/2010	PASSIVE USER INPUT ATTACHMENTS ENGAGING COMPRESSIBLE CONDUCTIVE ELEMENTS AND METHOD FOR THE SAME	GOOGLE TECHNOLOGY HOLDINGS LLC	28/06/2013	KOLKATA

29	336770	1147/KOL/2011	30/08/2011 15:39:44		A CONSTANT TEMPERATURE BATH FOR DAMAGE REMOVAL ETCH PROCESS IN PLASMA TEXTURING OF MC-SI WAFERS	BHARAT HEAVY ELECTRICALS LIMITED	01/03/2013	KOLKATA
30	336772	1356/KOL/2014	30/12/2014 13:33:13		A THREE PHASE COMMON ENCLOSURE TYPE GAS INSULATED SURGE ARRESTER FOR PROTECTION OF ELECTRICAL SUBSTATIONS FROM OVER-VOLTAGES	BHARAT HEAVY ELECTRICALS LIMITED	26/08/2016	KOLKATA
31	336794	706/KOLNP/2013	04/10/2011	04/10/2010	ALUMINUM POWDER METAL ALLOYING METHOD	GKN SINTER METALS, LLC	12/07/2013	KOLKATA
32	336795	1643/KOLNP/2015	22/11/2013	29/11/2012	LEVELER EQUIPMENT AND CORRECTION METHOD FOR PLATE MATERIAL	JP STEEL PLANTECH CO.	22/01/2016	KOLKATA

***CONTINUED TO PART- 2***