

**पेटेंट कार्यालय  
शासकीय जर्नल**

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

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**DATE: 30/05/2014**

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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.

**(Chaitanya Prasad)**  
**CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS**

30<sup>TH</sup> MAY, 2014

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**THE PATENT OFFICE  
KOLKATA, 30/05/2014**

**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:-**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>1</b> 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,<br/>Fax : (91)(22) 24123322<br/>E-mail: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>                                                                                                                                                  | <p><b>4</b> 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<br/>Fax : (91)(44) 2250 2066<br/>E-mail: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a></p> <p>❖ The States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.</p> |
| <p><b>2</b> 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<br/>Fax: (91)(22) 24130387<br/>E-mail: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a></p> <p>❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu &amp; Dadra and Nagar Haveli</p>            | <p><b>5</b> 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<br/>Fax: (91)(33) 2367 1988<br/>E-Mail: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a></p> <p>❖ Rest of India</p>                                                                                       |
| <p><b>3</b> The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi - 110075</p> <p>Phone: (91)(11) 2808 1921 - 25<br/>Fax: (91)(11) 2808 1920 &amp; 2808 1940<br/>E-mail: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a></p> <p>❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                    |

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 30/05/2014

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 | कार्यालय : महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न,<br>एंटीप हिल डाकघर के समीप,<br>एस. एम. रोड, एंटीप हिल, मुम्बई- 400 037, भारत,<br>फोन: (91) (22) 24123311<br>फैक्स: (91) (22) 24123322<br>ई. मेल: cgpdtm@nic.in                                                                                                                                         | 4 | पेटेंट कार्यालय, भारत सरकार<br>इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट<br>एसआईडीसीओ आरएमडी गोडाउन एरिया<br>एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी<br>चेन्नई - 600 032.<br>फोन: (91)(44) 2250 2081-84<br>फैक्स: (91)(44) 2250-2066<br>ई. मेल: chennai-patent@nic.in<br>❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप |
| 2 | पेटेंट कार्यालय, भारत सरकार<br>बौद्धिक संपदा भवन,<br>एंटीप हिल डाकघर के समीप,<br>एस. एम. रोड, एंटीप हिल, मुम्बई- 400 037,<br>फोन: (91) (22) 24137701<br>फैक्स: (91) (22) 24130387<br>ई. मेल: Mumbai-patent@nic.in<br>❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.                  | 5 | पेटेंट कार्यालय, भारत सरकार<br>कोलकाता, (प्रधान कार्यालय)<br>बौद्धिक संपदा भवन,<br>सीपी-2, सेक्टर- V, साल्ट लेक सिटी,<br>कोलकाता-700 091, भारत.<br>फोन: (91)(33) 2367 1943/44/45/46/87<br>फैक्स/Fax: (91)(33) 2367 1988<br>ई. मेल: kolkata-patent@nic.in<br><br>❖ भारत का अवशेष क्षेत्र                                                                                                                |
| 3 | पेटेंट कार्यालय, भारत सरकार<br>बौद्धिक संपदा भवन,<br>प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075.<br>फोन: (91)(11) 2808 1921-25<br>फैक्स: (91)(11) 2808 1920, 2808 1940<br>ई. मेल: delhi-patent@nic.in<br>हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़ |   |                                                                                                                                                                                                                                                                                                                                                                                                        |

वेबसाइट: <http://www.ipindia.nic.in>

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

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे।

शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है।

## **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.4/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

**(Chaitanya Prasad)**  
**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 there is no third party representation.

**NOTICE**  
**(MUMBAI)**

**Patent application No. 572/MUMNP/2009 was published in Patent Office Journal NO. 24/2009 dated 12/06/2009 with certain errors in the Priority Document No. & Priority Date. The correct priority details are as follows:-**

**Priority Document No.: 200610141027.8**

**Priority Date: - 28/09/2006**



## **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.2767/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :19/09/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : WIRING HARNESS ASSEMBLY

(51) International classification

:B60R16/02

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:PCT//

Filing Date

:01/01/1900

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)TAFE MOTORS AND TRACTORS LIMITED**

Address of Applicant :Alwar - Rajasthan 301001 India

(72)Name of Inventor :

**1)PATHAK, Ajay Kumar**

**2)ARDE, Vasundhara**

**3)GUPTA, Vishal**

(57) Abstract :

A wiring harness assembly (100) is described herein. In an embodiment,, the wiring harness assembly (100) includes a sealing member (108) having a plurality of through-holes (202). The plurality of through-holes (202) can be formed substantially along a central longitudinal axis of the sealing member (108). The wiring harness assembly (100) further includes a wire assembly (104) having a plurality of wires (106), each of the plurality of wires (106) individually passing through a corresponding through-hole (202) from the plurality of through-holes (202) in the sealing member (108). The wire assembly (104) can connect two or more electronic components (118). In addition, the wiring harness assembly (100) can include a back plate (110) adapted to mount the sealing member on a support structure (102) and the wire assembly (104) is inserted through a central cavity (302) in the back plate (110).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1229/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :07/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : GREEN TEMPLATE SYNTHESIS OF HYDOXYAPATITE USING LACTIC ACID AS CHELATING AGENT

|                                               |            |                                                      |
|-----------------------------------------------|------------|------------------------------------------------------|
| (51) International classification             | :C07C57/04 | (71)Name of Applicant :                              |
| (31) Priority Document No                     | :NA        | 1)DR. D. GOPI                                        |
| (32) Priority Date                            | :NA        | Address of Applicant :C-1056, LIG FLATS EAST OF LONI |
| (33) Name of priority country                 | :NA        | ROAD, DELHI-110093 India                             |
| (86) International Application No             | :NA        | 2)DR. L. KAUITHE                                     |
| Filing Date                                   | :NA        | (72)Name of Inventor :                               |
| (87) International Publication No             | : NA       | 1)DR. G. GOPI                                        |
| (61) Patent of Addition to Application Number | :NA        | 2)DR. L. KAUITHE                                     |
| Filing Date                                   | :NA        |                                                      |
| (62) Divisional to Application Number         | :NA        |                                                      |
| Filing Date                                   | :NA        |                                                      |

(57) Abstract :

HYDROXYAPATITE [CA<sub>10</sub>(P<sub>04</sub>)<sub>6</sub>(OH)<sub>2</sub>H, AP] PARTICLES HAVE BEEN SUCCESSFULLY SYNTHESIZED BY AN ECOLOGICALLY ORIGINATE, LUCRATIVE, BIODEGRADABLE GREEN TEMPLATE METHOD USING THE NATURAL AND COMMERCIALY AVAILABLE LACTIC ACID AS A CHELATING AGENT. THE LACTIC ACID USED IN THIS METHOD HAS BEEN EXTRACTED FROM VARIOUS SOURCES, ONE FROM THE NATURAL AND ONE FROM THE COMMERCIALY AVAILABLE SOURCES ARE COMPARED AND STUDIED TO SUCCEED A CONTROLLED CRYSTALLINITY, PARTICLE SIZE AS WELL AS UNIFORM MORPHOLOGY. THE EXPERIMENTAL RESULTS DESIGNATED THAT THE OBTAINED HAP USING THE NATURAL LACTIC ACID AS A CHELATING AGENT IS OF PHASE PURE, WITH A WELL DEFINED MORPHOLOGY HAVING DISCRETE PARTICLES WITHOUT ANY AGGLOMERATION THAN THE HAP FROM COMMERCIALY AVAILABLE LACTIC ACID. FURTHER, THE REDUCED PARTICLE SIZE IS ACHIEVED FROM THE SOUR MILK OF COW AS THE SOURCE OF THE CHELATING AGENT. ALSO THE ANTIBACTERIAL ACTIVITY OF HAP WITH DIFFERENT CONCENTRATIONS AGAINST TWO PATHOGEN BACTERIA STRAINS ESCHERICHIA COLI (E. COLI) AND KLEBSIELLA (GRAM-NEGATIVE BACTERIA) WERE TESTED. THE RESULTS SHOWED THAT THE PARTICLES OF ALL THE SAMPLES ARE OF UNIFORM SIZED AND PURE. THE CRYSTALLINITY DECREASES AS CHANGING THE SOURCES OF LACTIC ACID FROM COMMERCIAL TO NATURAL ONE. THE FORMATION OF UNIFORM SIZED PARTICLES WERE FOUND IN ALL THE SAMPLES BUT THE REDUCED PARTICLES WITH UNIFORM SIZE DISTRIBUTION CAN BE OBTAINED ONLY BY USING THE SOUR MILK OF COW AS THE SOURCE OF LACTIC ACID. MOREOVER, THE AS-SYNTHESIZED HAP SAMPLES DERIVED FROM NATURAL SOURCES EXHIBITED A STRONG ANTIBACTERIAL ACTIVITY AGAINST BOTH E. COLI AND KLEBSIELLA AT A CONCENTRATION OF 100 IJL. THE HAP SAMPLES SYNTHESIZED BY THIS METHOD CAN ACT AS A BUDDING CANDIDATE. FOR INNUMERABLE BIOMEDICAL APPLICATIONS.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1212/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :05/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : INERT OXY-ACETYLENE GAS WELDING

|                                               |             |                                                 |
|-----------------------------------------------|-------------|-------------------------------------------------|
| (51) International classification             | :F23D14/48, | (71)Name of Applicant :                         |
| (31) Priority Document No                     | :NA         | 1)SURESH KUMAR GUPTA                            |
| (32) Priority Date                            | :NA         | Address of Applicant :257-GH4, MEERA APARTMENT, |
| (33) Name of priority country                 | :NA         | PASHIMVIHAR Delhi India                         |
| (86) International Application No             | :NA         | 2)MD. EHSAN ASGAR                               |
| Filing Date                                   | :NA         | 3)ABHISHEK KUMAR                                |
| (87) International Publication No             | : NA        | 4)SATISH                                        |
| (61) Patent of Addition to Application Number | :NA         | 5)RAVI KUMAR                                    |
| Filing Date                                   | :NA         | 6)ADNAN TAVQVEER FAROOQI                        |
| (62) Divisional to Application Number         | :NA         | 7)PRIYESH KUMAR                                 |
| Filing Date                                   | :NA         | (72)Name of Inventor :                          |
|                                               |             | 1)SURESH KUMAR GUPTA                            |
|                                               |             | 2)MD. EHSAN ASGAR                               |
|                                               |             | 3)ABHISHEK KUMAR                                |
|                                               |             | 4)SATISH                                        |
|                                               |             | 5)RAVI KUMAR                                    |
|                                               |             | 6)ADNAN TAUQVEER FAROOQI                        |
|                                               |             | 7)PRIYESH KUMAR                                 |

(57) Abstract :

A totally new welding technique namely inert oxy-acetylene gas welding has been developed and tested. The test results are positive and encouraging. Some of the material which we were unable to protect has been welded with good quality, speed, better accuracy with improved strength.

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1245/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :08/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : TRUPALATE

|                                               |       |                                                    |
|-----------------------------------------------|-------|----------------------------------------------------|
| (51) International classification             | :A61B | (71)Name of Applicant :                            |
| (31) Priority Document No                     | :NA   | <b>1)DR. NIKHIL JONWAL</b>                         |
| (32) Priority Date                            | :NA   | Address of Applicant :BE-41, SHALIMAR BAGH, (WEST) |
| (33) Name of priority country                 | :NA   | SHALIMAR BAGH S.O. NEW DELHI 110088 India          |
| (86) International Application No             | :NA   | (72)Name of Inventor :                             |
| Filing Date                                   | :NA   | <b>1)DR. NIKHIL JONWAL</b>                         |
| (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 custom made medical device in order to help in Establish the Speech intelligibility in Removable Prosthetics & Post Orthodontic Treatment Retainers. by Use of impression material and auto polymerizing acrylic resin & CAD CAM using 3d printing or milling, to reproduce rugae pattern. . Methods: In the maxillary prosthesis or retainer, 1. auto polymerizing acrylic resin has been used to reproduce palatogram, the area of the denture base or acrylic plate of orthodontic retainers to be customized, is constructed by compressing the auto polymerizing resin (in dough stage) between the master East and the final impression. 2. CAD CAM using 3d printing or milling technique is used to construct & reproduced .palatogram. Discussion: Reestablishment of Phonetics, aesthetics, functional efficiency and comfort are the key elements of successfir1 dental treatment. However, 1. During removable prosthetic fabrication the phonetic evaluation is often takes a back seat Patients are expected to adapt to new removable prosthetics and most of them do adapt within few weeks, but some patients take a longer time to compensate for changes in palatal contour of removable prosthetics. Unfortunately, some patients never adapt to new dentures and continue to have trouble in speech. 2. Removable orthodontic retainers xxre necessary after successful active phase of orthodontic treatment, takes a large time to adapt because of smooth polished suface of ,orthodontic retainer, which does not mimic the natural pattern.of palatal rugae in patient . we fmuq on the esthetics part as well as phonetic part in active phase of the orthodontic treatment, while in passive phase we compromise phonetics because of non harmony between the tongue and the smooth polished surface of retainer. This becomes the major cause & reason for non cooperation of patients wearing post treatment removable orthodontic retainer in passive phase. Ultimately causing relapse and sometimes failure of orthodontic treatment fir such patients an accurate approximation of the palatal rugae has been suggested as one of the ways to improve speech patterns. Conclusion: This case article explains the use of a palatal rugae approximation by 1. Auto polymerizing rekin technique. 2. CAD CAM technique. . to reproduce the finctional palatal contours of a maxillary removable prosthetics and orthodontic retainers to improve speech intelligibility..

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1069/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :21/04/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR PRODUCING WATER SOLUBLE FUNCTIONALIZED GRAPHENE BY USING LEAF EXTRACT OF SYZYGIUM CUMINI

|                                               |            |                                                                                                                                                                                                                                                            |
|-----------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C01B31/00 | (71)Name of Applicant :<br><b>1)DR. BRAJ RAJ SINGH</b><br>Address of Applicant :CENTRE OF EXCELLENCE<br>MATERIALS SCIENCE (NANOMATERIALS),<br>DEPARTMENT OF APPLIED PHYSICS, ZHCE&T, ALIGARH<br>MUSLIM UNIVERSITY, ALIGARH-202 002, Uttar Pradesh<br>India |
| (31) Priority Document No                     | :NA        | <b>2)DR. WASI KHAN</b>                                                                                                                                                                                                                                     |
| (32) Priority Date                            | :NA        | <b>3)DR. SHAKEEL KHAN</b>                                                                                                                                                                                                                                  |
| (33) Name of priority country                 | :NA        | <b>4)DR. ALIM H. NAQVI</b>                                                                                                                                                                                                                                 |
| (86) International Application No             | :NA        | (72)Name of Inventor :                                                                                                                                                                                                                                     |
| Filing Date                                   | :NA        | <b>1)DR. BRAJ RAJ SINGH</b>                                                                                                                                                                                                                                |
| (87) International Publication No             | : NA       | <b>2)DR. WASI KHAN</b>                                                                                                                                                                                                                                     |
| (61) Patent of Addition to Application Number | :NA        | <b>3)DR. SHAKEEL KHAN</b>                                                                                                                                                                                                                                  |
| Filing Date                                   | :NA        | <b>4)DR. ALIM H. NAQVI</b>                                                                                                                                                                                                                                 |
| (62) Divisional to Application Number         | :NA        |                                                                                                                                                                                                                                                            |
| Filing Date                                   | :NA        |                                                                                                                                                                                                                                                            |

(57) Abstract :

A facile and scalable method of water soluble graphene is reported. In this method, graphene sheets functionalized covalently with biocompatible *S. cummuni* leaf extract (ScLE). The ScLE -fbnctionalized graphene is water-soluble and biocompatible, which makes it a novel carbon material promising for enormous electronic, sensing, environmental and biological applications. Graphene sheets played an important role as connectors to assemble these active functional groups of polyphenolics in ScLE, which offered a very biocompatible environment for further biological applications and secondary functionalization using active molecules.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.916/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :31/03/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND APPARATUS FOR MANAGING BANDWIDTH TO A MOBILE TERMINAL

|                                               |           |                                                            |
|-----------------------------------------------|-----------|------------------------------------------------------------|
| (51) International classification             | :H04B7/26 | (71)Name of Applicant :                                    |
| (31) Priority Document No                     | :NA       | <b>1)Comviva Technologies Limited</b>                      |
| (32) Priority Date                            | :NA       | Address of Applicant :A-26, Info City, Sector 34, Gurgaon- |
| (33) Name of priority country                 | :NA       | 122001, Haryana, India                                     |
| (86) International Application No             | :NA       | (72)Name of Inventor :                                     |
| Filing Date                                   | :NA       | <b>1)SUBRAHMANYA, Varchas Ramila</b>                       |
| (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 :

Accordingly, the present invention provides a method and apparatus for managing bandwidth allocation to a mobile terminal through which different applications are possibly accessed such that for a predetermined overall bandwidth, a combined quality of experience measure reaches a maximum or for a predetermined combined quality of experience measure, a modified overall bandwidth allocation is lesser than an initial overall bandwidth allocation. In the method, the combined quality of experience measure indicates a quality of experience perceived by the user for all applications and is summation of quality of experience measure for the different applications, wherein the quality of experience measure for a particular application is summation of network related quality of experience measure for that particular application and subscriber related quality of experience measure for that particular subscriber for that particular application and wherein the subscriber related quality of experience measure considers Popularity and Personalization Index.

No. of Pages : 33 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1219/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : A SYSTEM TO MEASURE HUMAN BODY PARTS WITHOUT USING ANY EXTERNAL PREFERENCE OBJECTS AND ONLY WITH A MOBILE PHONE WITH CAMERA.

|                                               |           |                                                     |
|-----------------------------------------------|-----------|-----------------------------------------------------|
| (51) International classification             | :A61B5/00 | (71)Name of Applicant :                             |
| (31) Priority Document No                     | :NA       | <b>1)SUMANTU MITTAL</b>                             |
| (32) Priority Date                            | :NA       | Address of Applicant :D-703, PALAM APT, , SECTOR-5, |
| (33) Name of priority country                 | :NA       | PLOT NO. 7, DWARKA, N.DELHI India                   |
| (86) International Application No             | :NA       | (72)Name of Inventor :                              |
| Filing Date                                   | :NA       | <b>1)SUMANTU MITTAL</b>                             |
| (87) International Publication No             | : NA      | <b>2)VINAY VERMA</b>                                |
| (61) Patent of Addition to Application Number | :NA       | <b>3)UCHIT KUMAR</b>                                |
| Filing Date                                   | :NA       | <b>4)SAMARTH AGARWAL</b>                            |
| (62) Divisional to Application Number         | :NA       |                                                     |
| Filing Date                                   | :NA       |                                                     |

(57) Abstract :

THE PROPOSED SCHEME TITLED A NOVEL SYSTEM FOR ENABLING MOBILE PHONE USERS TO MEASURE BODY PARTS DESCRIBES A METHODOLOGY USING FACIAL FEATURES AS REFERENCE TO MAKE THE MEASUREMENTS OF VARIOUS BODY PARTS WITH THE HELP OF TWO PHOTOGRAPHS OF A PERSON FROM DIFFERENT ANGLES. THE METHOD DISCUSSED IN THE DOCUMENT CAN BE UTILIZED FOR ORDERING TAILOR MADE CLOTHES, JEWELLERY, LINGERIE, ETC. THE PROCEDURE DOES NOT REQUIRE THE PHOTOGRAPHS TO BE SAVED FOR BACKEND PROCESSING AND THUS MAKES SURE THAT PERSONAL PHOTOGRAPHS ARE NOT AVAILABLE FOR ANY KIND OF ABUSE. MATHEMATICAL FORMULAS ARE DISCUSSED TO DERIVE, BASED ON FACIAL FEATURES, SIZE OF BODY PARTS.THE THEORY DISCUSSED IN PRESENT DOCUMENT ALSO UTILIZES CAMERA PROPERTIES AND ITS RESOLUTION TO MEASURE CORRECT DIMENSION OF REFERENCE FEATURE.

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/05/2014

(21) Application No.1663/MUM/2014 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : A PROCESS FOR RAPID BIOSYNTHESIS OF SILVER NANOPARTICLES USING SEED EXTRACT OF SYZYGIUM CUMINI A MEDICINAL PLANT

|                                               |                                           |                                                                                                                                                                                                                            |
|-----------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61k<br>36/00,<br>B22F9/24,<br>A01N59/16 | (71)Name of Applicant :<br><b>1)DR. DHANAJI S. GOND</b><br>Address of Applicant :DEPARTMENT OF<br>MICROBIOLOGY, UNIVERSITY OF PUNE, GANESHKHIND,<br>PUNE-411 007, MAHARASHTRA, INDIA<br><b>2)PROFESSOR BALU A. CHOPADE</b> |
| (31) Priority Document No                     | :NA                                       | (72)Name of Inventor :<br><b>1)DR. DHANAJI S. GOND</b>                                                                                                                                                                     |
| (32) Priority Date                            | :NA                                       | <b>2)PROFESSOR BALU A. CHOPADE</b>                                                                                                                                                                                         |
| (33) Name of priority country                 | :NA                                       | <b>3)SAMIKSHA KHADE</b>                                                                                                                                                                                                    |
| (86) International Application No             | :NA                                       | <b>4)SNEHAL B. CHOPADE</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 :

The present invention provides a rapid and ecofriendly method of making silver nanoparticle using aqueous extract of syzygium cumini seeds. The method involves preparation of aqueous extract from fine seed powder of syzygium cumini, boiled for 5 min at 100°C, centrifuged and filtered through Whatman filter paper No. 1, The filtrate is used for bio-reduction of metal salts to synthesis metal nanoparticles. In another important aspect of the invention provides method for bioreduction of AgNO<sub>3</sub>. The bio-reduction of AgNO<sub>3</sub> using SCSE is carried out at temperature range from 4 to 50°C and salt concentrations varying from 0.1 to 5 mM. In another very important aspect of the invention nanoparticles are characterized using UV-Visible spectroscopy (UV-Vis), transmission electron microscopy (TEM), energy dispersive spectroscopy (EDS), X-ray diffraction (XRD), dynamic light scattering (DLS) and cyclic voltametry (CV).

No. of Pages : 22 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1646/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : THE METHOD, MANNER AND PROCESS OF PREPARING CHITOSAN BOUND GRAFTED RAYON FABRIC AS DURABLE WOUND DRESSING AND HYGIENIC FABRIC APPLICATIONS.

|                                               |                                  |                                                                                                                                                                                                             |
|-----------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61L<br>33/08,<br>A61L<br>15/00 | (71)Name of Applicant :<br><b>1)DR. JAVED SHEIKH</b><br>Address of Applicant :C/O- DR. SHABBIR SHEIKH, NEAR<br>POST OFFICE, AT-LAKHANI, TEH-LAKHANI, DIST-<br>BHANDARA, PIN CODE-441804, MAHARASHTRA, INDIA |
| (31) Priority Document No                     | :NA                              | (72)Name of Inventor :                                                                                                                                                                                      |
| (32) Priority Date                            | :NA                              | <b>1)DR. JAVED SHEIKH</b>                                                                                                                                                                                   |
| (33) Name of priority country                 | :NA                              | <b>2)DR. M.D TELI</b>                                                                                                                                                                                       |
| (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 :

Chitosan can be best utilized as safe antimicrobial agent for textiles but there is always a limitation of its durability. In the current work, chitosan has been extracted from shrimp shells and then used as antimicrobial exhaust finishing agent for grafted rayon fabric. The acrylic acid grafted rayon fabric as backbone further treated with chitosan based exhaust finishing agent to get chitosan bound grafted rayon fabric. The chitosan bound grafted rayon fabric has enhanced antimicrobial properties, tear resistance, permeability, flexibility, moisture retention, biocompatibility, non-toxicity and wound dressing ability and remains durable even after multiple wash of the fabric or even after absorbing fluid, liquid and wound exudates

No. of Pages : 31 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1705/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : COMPRESSED AIR AUTOMOBILE ENGINE WITH HYDRAULIC ACCELERATION SYSTEM

|                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| (51) International classification             | :F02B 1/00,<br>B60K<br>25/10, F01B17/02 |
| (31) Priority Document No                     | :NA                                     |
| (32) Priority Date                            | :NA                                     |
| (33) Name of priority country                 | :NA                                     |
| (86) International Application No             | :NA                                     |
| Filing Date                                   | :NA                                     |
| (87) International Publication No             | : NA                                    |
| (61) Patent of Addition to Application Number | :NA                                     |
| Filing Date                                   | :NA                                     |
| (62) Divisional to Application Number         | :NA                                     |
| Filing Date                                   | :NA                                     |

(71)Name of Applicant :

**1)MR. ATUL S/O-YUVRAJ JAMNEKAR**

Address of Applicant :CHAITANYA COLONY INFRONT  
OF SAKHAMANGALAM BYPASS ROAD AMRAVATI. -  
MAHARASHTRA, INDIA

**2)PRAHES S/O-TARACHANDJI UKE**

(72)Name of Inventor :

**1)MR. ATUL S/O-YUVRAJ JAMNEKAR**

**2)PRAHES S/O- TARACHANDJI UKE**

(57) Abstract :

The compressed air automobile engine with Hydraulic acceleration system is the assembly of specially designed air compressor, air inlet pistons and air inlet cylinders used inside the compressor controlled by hydraulic accelerator; wherein the air compressor is made up of carbon fibre giving it tensile strength and inside it Hygroscopic material for absorption of humidity and moisture of the air taken from the environment. The air inlet pistons and the air inlet cylinders are made up of High Speed Steel [HSS E M-36] and coated with TiN [Titanium Nitride] to forego use of lubrication and withstand high temperature and speed. Compressed Air Automobile Engine with Hydraulic Acceleration can be used as an replacement of internal combustion engine by the assembly of specially designed compressor with piston used inside the compressor to control the pressure of air leaving the compressor which can be controlled by hydraulic press used here to accelerate and retard the engine outcome and therefore it has been termed as hydraulic accelerator. The invention also makes use of the traditional pneumatic nozzle and traditional air turbine however the use of these parts is not claimed as of the innovation as claimed in the invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1661/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : A MULTIPURPOSE POWER MULTIPLIER ENGINE

|                                               |                         |
|-----------------------------------------------|-------------------------|
| (51) International classification             | :F04B9/02,<br>F04B53/14 |
| (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 | :1562/MUM/2013          |
| Filed on                                      | :30/04/2013             |
| (62) Divisional to Application Number         | :NA                     |
| Filing Date                                   | :NA                     |

(71)Name of Applicant :

**1)NAGENDRAPRATAP R. SINGH**

Address of Applicant :FLAT 201, SAI VASTU, PLOT 97A,  
SECTOR 1 SANPADA 400705 Maharashtra India

(72)Name of Inventor :

**1)NAGENDRAPRATAP R. SINGH**

(57) Abstract :

At present all levers are simple levers where load is kept at one end of the lever and work is done at another end of the lever. A normal lever in this case moves up and down. There is no lever which takes Force input as a circulatory motion and gives output also as a circulatory motion. This is designed in such a way that fulcrum can be moved back and forward easily. So that this levered wheel can become Power/Energy Multiplier whenever fulcrum is moved towards load arm of the lever.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1758/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : INTELLIGENT TRAFFIC LIGHT SIGNALING THROUGH GPS & DYNAMIC CONGESTION CONTROL

|                                               |                                 |                                                                                                                                                                                   |
|-----------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G08G<br>1/07,<br>G08G<br>1/095 | (71)Name of Applicant :<br><b>1)SHIKHAR CHOUHAN</b><br>Address of Applicant :A7 RAILWAY HOUSING CO-<br>OPERATIVE SOCIETY, SECTOR-2, VASHI, MUMBAI -<br>400703, MAHARASHTRA, INDIA |
| (31) Priority Document No                     | :NA                             | (72)Name of Inventor :                                                                                                                                                            |
| (32) Priority Date                            | :NA                             | <b>1)SHIKHAR CHOUHAN</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 :

This invention relates to intelligent traffic signaling system which take cares of movements of emergency response units like ambulance, fire brigade and police at traffic signals under preemption conditions; dynamic congestion control on existing traffic volume under normal conditions. The system includes communication of moving emergency vehicle to the approaching traffic signal about the position, speed, severity and node value of previous traffic signal of that road The traffic signal is capable to estimating the time after which preemption is to be made and allows safe and faster commutation of approaching vehicle. Once the preemption event is complete the normal working of signal is restored. The dynamic congestion control depends on load of each individual road and calibrate the timers accordingly. The Administrative Centre is capable of controlling vehicle request for preemption and timer values of each traffic signal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2729/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :21/08/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : CURRENT TRANSFORMER CIRCUIT WITH SENSOR MODULE

|                                               |                           |                                                                                                                                                                                                                  |
|-----------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H01F27/02,<br>H01F 38/20 | (71) <b>Name of Applicant :</b><br><b>1)SELEC CONTROLS PVT. LTD</b><br>Address of Applicant :PLOT NO. EL -27/1, ELECTRONIC<br>ZONE, TTC INDUSTRIAL AREA, MIDC, MAHAPE, NAVI<br>MUMBAI 400710, MAHARASHTRA, 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)KAJI SAMIR</b>                                                                                                                                                                                              |
| (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 current transformer circuit with sensor module is disclosed. The current transformer circuit (100) comprises a current transformer (102) adapted to generate a secondary current output (112) in relation to a primary current input (110); and a control means (104) comprising an in-built memory adapted to store data relevant to the characteristics of the current transformer (102) and in operation communicate the data via a communication interface (106) to an electronic device to dynamically correct the real-time measurements of the current output.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1714/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : MOBILE APPLICATION PLATFORM ADDRESSING PARENTS' CONCERNS ABOUT THEIR CHILD IN ALL ACADEMIC AND NON-ACADEMIC AREAS.

|                                               |                         |                                                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G09B3/00,<br>G06Q10/06 | (71) <b>Name of Applicant :</b><br><b>1)PARENTS CONCERN INDIA CONSULTANTS PVT. LTD.</b><br>Address of Applicant :602, ECO SPACE IT PARK, OLD NAGARDAS ROAD, MOGRA VILLAGE, ANDHERI(E), MUMBAI-400 069, MAHARASHTRA, INDIA |
| (31) Priority Document No                     | :NA                     |                                                                                                                                                                                                                           |
| (32) Priority Date                            | :NA                     |                                                                                                                                                                                                                           |
| (33) Name of priority country                 | :NA                     |                                                                                                                                                                                                                           |
| (86) International Application No             | :NA                     |                                                                                                                                                                                                                           |
| Filing Date                                   | :NA                     | (72) <b>Name of Inventor :</b>                                                                                                                                                                                            |
| (87) International Publication No             | : NA                    | <b>1)CHAKRABORTY, ADRIS</b>                                                                                                                                                                                               |
| (61) Patent of Addition to Application Number | :NA                     | <b>2)SEN, ANIMIKH</b>                                                                                                                                                                                                     |
| Filing Date                                   | :NA                     | <b>3)ADITYA, SHANTONU</b>                                                                                                                                                                                                 |
| (62) Divisional to Application Number         | :NA                     |                                                                                                                                                                                                                           |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                                           |

(57) Abstract :

The present invention relates to a mobile application platform addressing parents concerns about their child in all academic and non-academic areas which is an integration of products and services, which help parents address concerns about their children right from toddlers to teenagers. This system addresses parents concerns regarding their childrens academic, physical, mental, social and career related growth by keeping a track of all these activities of the children and providing parents just in time updates by e-mails and SMS. This invention can be used by schools, colleges, hospitals, parents, guardians, career counselors etc. to keep a track of all the activities of the involved people, be it students or patients so that their parents and guardians can remain updated with this information. The system of the present invention is highly beneficial to schools, parents and students and is equipped with required support system and upgraded features.

No. of Pages : 51 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.296/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/02/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : DECORATIVE PIECE OF ARTWORK ROCK-DHOKRA AND METHOD OF PRODUCING THE SAME

|                                               |                                 |                                                                                                                                        |
|-----------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B44C<br>5/00,<br>A44C<br>17/02 | (71)Name of Applicant :<br><b>1)DEVRAI ART VILLAGE</b><br>Address of Applicant :PANCHGANI CHS, PANCHGANI<br>412805, MAHARASHTRA, INDIA |
| (31) Priority Document No                     | :NA                             | (72)Name of Inventor :                                                                                                                 |
| (32) Priority Date                            | :NA                             | <b>1)MATHUR MANDAKINI ATUL</b>                                                                                                         |
| (33) Name of priority country                 | :NA                             | <b>2)KASHYAP SHUBHESHWAR BIJURAM</b>                                                                                                   |
| (86) International Application No             | :NA                             | <b>3)PUNGATI SURESH CHANDRA</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 method for making designer brass-work on stone has been disclosed to obtain a novel decorative piece of artwork Rock-Dhokra. The stone provides core, around which appropriate shape is created with brass by lost-wax method. Unlike conventional practice, no adhesives are used in the process.

No. of Pages : 10 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1668/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : A SYNERGISTIC ORAL PHARMACEUTICAL COMPOSITION FOR EFFECTIVE TREATMENT OF LIVER DISEASES.

|                                               |                                         |                                                                                                                                                                 |
|-----------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/198,<br>A61K31/185,A61P<br>1/16 | (71)Name of Applicant :<br><b>1)ZOTA HEALTH CARE LTD</b><br>Address of Applicant :ZOTA HOUSE 2/896, HIRA MODI<br>STREET, SAGRAMPURA, SURAT-395002 Gujarat India |
| (31) Priority Document No                     | :NA                                     | (72)Name of Inventor :                                                                                                                                          |
| (32) Priority Date                            | :NA                                     | <b>1)DR. SANJAY AGRAWAL</b>                                                                                                                                     |
| (33) Name of priority country                 | :NA                                     | <b>2)MR. KAMLESH RAJNIKANT ZOTA</b>                                                                                                                             |
| (86) International Application No             | :NA                                     | <b>3)MR. KETAN CHANDULAL ZOTA</b>                                                                                                                               |
| Filing Date                                   | :NA                                     | <b>4)MR. MANUKANT CHANDULAL ZOTA</b>                                                                                                                            |
| (87) International Publication No             | : NA                                    | <b>5)MR. HIMANSHU MUKTILAL ZOTA</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 describes of a synergistic oral composition comprising of taurine and racemethionine, wherein the taurine being taken in the range of 250mg to 500mg and the racemethionine is taken in the range of 100mg to 200mg by weight of the composition, the active weight resulting into a therapeutically , synergistically effective oral composition, in order to provide safe and effective dosage form along with other pharmaceutical excipients. It provide different release drug profile such as Sustained or controlled or retard formulation available in oral formulation (capsule, tablet, granules and syrup thereof) and instant energy with hepatic disorders, active antioxidant properties, due to its synergistically effective amount of taurine and racemethionine in the formulation, the effective amount as above is taken along with suitable excipients, additives and releasing agents to make a formulation.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2273/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :05/07/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR DETERMINING POSITION OF INDEXED POTENTIOMETER AND APPARATUS THEREOF

|                                               |                                 |                                                                                                                                                                                                          |
|-----------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H01C<br>1/14,<br>H01C<br>10/00 | (71)Name of Applicant :<br><b>1)SELEC CONTROLS PVT. LTD</b><br>Address of Applicant :PLOT NO. EL -27/1, ELECTRONIC<br>ZONE, TTC INDUSTRIAL AREA, MIDC, MAHAPE, NAVI<br>MUMBAI 400710, MAHARASHTRA, INDIA |
| (31) Priority Document No                     | :NA                             | (72)Name of Inventor :                                                                                                                                                                                   |
| (32) Priority Date                            | :NA                             | <b>1)KAJI SAMIR</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 :

An apparatus for determining a potentiometer indexed position is claimed.. The apparatus (100) comprising: at least one potentiometer having a resistance R, a resistance R1 from a first end of the potentiometer to a wiper, and a resistance R2 from a second end of the potentiometer to the wiper; a capacitor (C); and a microcontroller (M) adapted to alternately put said resistances R1 and R2 in a timing circuit to determine time {t1} required for said capacitor to charge and time (t2) required for said capacitor to discharge, where, t1 is proportional to resistance R1, and t2 is proportional to resistance R2; and calculate said potentiometer indexed position using the formula:  $[t1/(t1+t2)] \times \text{total number of said potentiometer positions}$ .

No. of Pages : 16 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1697/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : LOW VISCOUS, SULFATE-FREE COLD-DISPERSIBLE PEARLESCENT CONCENTRATE

|                                               |                                 |                                                                                                                                                                            |
|-----------------------------------------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K<br>8/44,<br>C11D<br>17/06 | (71) <b>Name of Applicant :</b><br><b>1)GALAXY SURFACTANTS LTD.</b><br>Address of Applicant :C-49/2, TTC INDUSTRIAL AREA,<br>PAWNE, NAVI MUMBAI-400703, MAHARASHTRA, INDIA |
| (31) Priority Document No                     | :NA                             | (72) <b>Name of Inventor :</b>                                                                                                                                             |
| (32) Priority Date                            | :NA                             | <b>1)KOSHTI, NIRMAL</b>                                                                                                                                                    |
| (33) Name of priority country                 | :NA                             | <b>2)MHATRE, PRITESH RAJARAM</b>                                                                                                                                           |
| (86) International Application No             | :NA                             | <b>3)SHARMA, ANURADHA</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 :

Low viscous, sulfate-free, cold-dispersible, aqueous pearlescent concentrates are prepared. The pearlizing concentrates of the instant invention are stable and remain pumpable and flowable during storage for longer duration.

No. of Pages : 26 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2313/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : S3 GRID-TIE INVERTER

|                                               |           |                                                        |
|-----------------------------------------------|-----------|--------------------------------------------------------|
| (51) International classification             | :H02M3/00 | (71)Name of Applicant :                                |
| (31) Priority Document No                     | :NA       | <b>1)B. DASTAGIRI REDDY</b>                            |
| (32) Priority Date                            | :NA       | Address of Applicant :1-127, NELATUR (VI&PO),          |
| (33) Name of priority country                 | :NA       | DUVVUR (M), KADAPA (DT) - 516 175 Andhra Pradesh India |
| (86) International Application No             | :NA       | <b>2)DR. M.P. SELVAN</b>                               |
| Filing Date                                   | :NA       | (72)Name of Inventor :                                 |
| (87) International Publication No             | : NA      | <b>1)B. DASTAGIRI REDDY</b>                            |
| (61) Patent of Addition to Application Number | :NA       | <b>2)DR. M.P. SELVAN</b>                               |
| Filing Date                                   | :NA       | <b>3)DR. S. MOORTHY</b>                                |
| (62) Divisional to Application Number         | :NA       |                                                        |
| Filing Date                                   | :NA       |                                                        |

(57) Abstract :

A grid-tie inverter with front-end DC-DC conversion stage followed by a synchronized push-pull configuration operating at fundamental frequency is presented. The DC-DC conversion stage employs an asynchronous buck converter. A unidirectional sine wave, obtained from the phase shifted reference sine wave resembling the grid, serves as reference wave to generate the duty cycle of DC-DC converter to produce a similar output voltage across the DC-link capacitor. The unidirectional voltage is made into alternating voltage with a phase difference of B with respect to grid, by the synchronized push-pull configuration. The presented inverter employs three semiconductor switches in which only one is operating at high frequency and the rest are operating at fundamental frequency. Hence, it is named as S3 Grid-tie inverter. A simple and cost effective analog control circuit is also presented for varying angle  $\theta$  and for the simultaneous generation of high frequency switching pulses for DC-DC conversion stage and synchronized fundamental frequency switching pulses for push-pull configuration. The grid voltage is the essential input to the pulse generation circuit. The hardware prototype of S3 grid-tie inverter is built in the laboratory and its performance in injecting sinusoidal current into the grid at high power factor and also feeding local loads is validated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2314/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : ANALOG SIGNAL ACQUISITION CARD (ASAC) FOR ADC CHANNEL ENHANCEMENT IN FPGA BOARDS TO SUIT FOR POWER ELECTRONIC APPLICATIONS

|                                               |            |                                                     |
|-----------------------------------------------|------------|-----------------------------------------------------|
| (51) International classification             | :H03K19/00 | (71)Name of Applicant :                             |
| (31) Priority Document No                     | :NA        | 1)K. VENKATRAMAN                                    |
| (32) Priority Date                            | :NA        | Address of Applicant :12-32, SEETHARAMASWAMY        |
| (33) Name of priority country                 | :NA        | TEMPLE, NAGARKURNOOL - 509 209 Andhra Pradesh India |
| (86) International Application No             | :NA        | 2)S. MOORTHY                                        |
| Filing Date                                   | :NA        | 3)M.P. SELVAN                                       |
| (87) International Publication No             | : NA       | (72)Name of Inventor :                              |
| (61) Patent of Addition to Application Number | :NA        | 1)K. VENKATRAMAN                                    |
| Filing Date                                   | :NA        | 2)S. MOORTHY                                        |
| (62) Divisional to Application Number         | :NA        | 3)M.P. SELVAN                                       |
| Filing Date                                   | :NA        |                                                     |

(57) Abstract :

Recently with the progress of programmable devices like FPGA it is easy to realize the digital controller for power electronic system. Complex control algorithms can be implemented into FPGA and the calculation time can be dramatically reduced based on parallel processing capability of FPGA. Majority of the FPGA boards available in the market has lesser number of on-board ADC channels, which limit its applications in power electronic systems. The aim of this work is to increase the number of input analog signals accessed by FPGA boards with lesser number of on-board ADC channels by integrating an Analog Signal Acquisition Card (ASAC) to the existing FPGA board along with an embedded block. ASAC consists of analog multiplexer, whose controller is embedded into the host FPGA for which ADC channels has to be enhanced. Embedded block developed inside the FPGA also segregates and stores the digital data in the different registers for further digital processing.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2376/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :30/05/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : SELF SLEEP DEVICE FOR LOW POWER VLSI APPLICATIONS

|                                               |           |                                                  |
|-----------------------------------------------|-----------|--------------------------------------------------|
| (51) International classification             | :G06F1/00 | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA       | <b>1)ESTHER RANI THURAKA</b>                     |
| (32) Priority Date                            | :NA       | Address of Applicant :H. NO: 1-8/5, FLAT NO:401, |
| (33) Name of priority country                 | :NA       | KAUSHIKI NEST, PRABHATH NAGAR, CHAITANYAPURI,    |
| (86) International Application No             | :NA       | HYDERABAD - 500 060 Andhra Pradesh India         |
| Filing Date                                   | :NA       | (72)Name of Inventor :                           |
| (87) International Publication No             | : NA      | <b>1)ESTHER RANI THURAKA</b>                     |
| (61) Patent of Addition to Application Number | :NA       |                                                  |
| Filing Date                                   | :NA       |                                                  |
| (62) Divisional to Application Number         | :NA       |                                                  |
| Filing Date                                   | :NA       |                                                  |

(57) Abstract :

Leakage power is the predominant factor in deep sub micron designs and increases as the technology advances in VLSI and Embedded systems. A self sleep device is designed using MTCMOS technique with clock as input signal, which is the most well defined signal in any design. The circuit is designed and verified at circuit level. The self sleep signal avoids the distribution of sleep signal over entire design and provides good signal integrity. By incorporating this circuit in the design, power savings in the standby mode is very high compared to any other technique and provides fast and low energy transitions. The circuit consumes 1.809W of power in the active mode and 69.26  $\mu$ W of power in standby mode. When the whole system is in standby mode, overall power consumption is the power consumed by the self sleep circuit in standby mode and it is very negligible. So, battery lasts for years when it is in standby mode.

No. of Pages : 6 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2188/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : SURFACE PLASMON RESONANCE INSTRUMENT - MODIFICATIONS IN MEASUREMENT TECHNIQUES TO IMPROVE SENSITIVITY AND PROVIDE FOR MORE ECONOMICAL TESTING

|                                               |       |                                                  |
|-----------------------------------------------|-------|--------------------------------------------------|
| (51) International classification             | :G01N | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA   | 1)S. ANANTHI                                     |
| (32) Priority Date                            | :NA   | Address of Applicant :B3, VEMBULI APARTMENT, 10, |
| (33) Name of priority country                 | :NA   | SOUTH LOCK STREET, KOTTURPURAM, CHENNAI - 600    |
| (86) International Application No             | :NA   | 085 Tamil Nadu India                             |
| Filing Date                                   | :NA   | 2)K. PADMANABHAN                                 |
| (87) International Publication No             | : NA  | 3)M. RAJAVELAN                                   |
| (61) Patent of Addition to Application Number | :NA   | (72)Name of Inventor :                           |
| Filing Date                                   | :NA   | 1)S. ANANTHI                                     |
| (62) Divisional to Application Number         | :NA   | 2)K. PADMANABHAN                                 |
| Filing Date                                   | :NA   | 3)M. RAJAVELAN                                   |

(57) Abstract :

It replaces the plain gold sputter coated slide (50 nm for 638 ran laser light source) with a similarly coated (gold slide) over which an additional dielectric layer of some plastic material is coated by solution and evaporation. Thus, there are two interfaces between the substance analysed and the prism now.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2475/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : VEGETABLE SEED EXTRACTOR

|                                               |           |
|-----------------------------------------------|-----------|
| (51) International classification             | :A01C1/00 |
| (31) Priority Document No                     | :NA       |
| (32) Priority Date                            | :NA       |
| (33) Name of priority country                 | :NA       |
| (86) International Application No             | :NA       |
| Filing Date                                   | :NA       |
| (87) International Publication No             | : NA      |
| (61) Patent of Addition to Application Number | :NA       |
| Filing Date                                   | :NA       |
| (62) Divisional to Application Number         | :NA       |
| Filing Date                                   | :NA       |

(71)Name of Applicant :

**1)ASHARAF A**

Address of Applicant :ALAMPARA HOUSE,  
KANJIRAKKADAVU, OTTAPALAM PO, PIN - 679 101,  
PALAKKAD Kerala India

(72)Name of Inventor :

**1)ASHARAF A**

(57) Abstract :

This invention relates to a seed extractor for agricultural use and specifically for dry and wet seed extraction in vegetable crops. Bottom lid forms the outermost unit of the machine. It is connected to the adaptor on one side and base unit on the other side. Base unit forms the cup shape structure inside of which the motor is mounted. Main shaft is connected to the motor shaft on one side and the other side to a ball bearing followed by a square head with a ball lock. The detachable tool head is made of wire mesh of adaptable size and is inserted to the square head. The machine works on DC current and an adaptor or battery is used for the purpose. Depending on the seed size, different tool head can be used. The device is light weight, user friendly and consumes less water and current. The seeds are not damaged in the extraction process and have high germination percent.

No. of Pages : 15 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5040/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :08/11/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : NON AUTOMATIC TABLETOP PORTABLE MINI LATHE

|                                               |           |                                             |
|-----------------------------------------------|-----------|---------------------------------------------|
| (51) International classification             | :B23B3/00 | (71)Name of Applicant :                     |
| (31) Priority Document No                     | :NA       | <b>1)TTM. KANNAN</b>                        |
| (32) Priority Date                            | :NA       | Address of Applicant :ASSISTANT PROFESSOR,  |
| (33) Name of priority country                 | :NA       | MECHANICAL ENGINEERING DEPARTMENT, PAVENDAR |
| (86) International Application No             | :NA       | BHARATHIDASAN INSTITUTE OF INFORMATION      |
| Filing Date                                   | :NA       | TECHNOLOGY, THANJAI NATRAJ NAGAR, MATHUR,   |
| (87) International Publication No             | : NA      | TRICHY - 6200026 Tamil Nadu India           |
| (61) Patent of Addition to Application Number | :NA       | <b>2)DR. P. MARIMUTHU</b>                   |
| Filing Date                                   | :NA       | (72)Name of Inventor :                      |
| (62) Divisional to Application Number         | :NA       | <b>1)TTM. KANNAN</b>                        |
| Filing Date                                   | :NA       | <b>2)DR. P. MARIMUTHU</b>                   |

(57) Abstract :

Miniaturization of machine tools to size comfortable to target products without compromising machining tolerance lead to enormous saving in energy, space and resources. Modern techniques are available with wider application in the design of small structures and models for actual machines that are made from appropriate materials. Table top lathes are preferred over conventional lathes by some professional likes Blacksmith, jewellers, fand designers, engineers for prototyping and fabrication work. Present work describes the development of table top mini lathe through 3D modelling and actual fabrication made by design calculation based on machine tool design procedure that utilize a variable speed electric motor for getting various cutting velocities. It is specially designed to turn metal like steel, copper, aluminium, silver and gold. It performs all the operations like external turning, facing, grooving and step turning. This model is analyzed by study behaviour of actual behaviour predicted from the knowledge of models. It is the first step to fabricate the mini lathe (as per specification mentioned) for turning of small components with degree of accuracy. The developed Non Automatic Tabletop Portable Mini lathe will satisfy the real requirement of manufacturing small components and It will be handled by anyone, anytime and anywhere without much effort.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.566/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014

(43) Publication Date : 30/05/2014

(54) Title of the invention : AUTOMATIC SPEAKER RECOGNITION SYSTEM WITH VOICE BIOMETRIC AND METHOD THEREFOR

|                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G10L<br>15/00 | (71)Name of Applicant :<br><b>1)CENTRE FOR DEVELOPMENT OF ADVANCED<br/>COMPUTING (C-DAC), KOLKATA</b><br>Address of Applicant :A CONSTITUENT UNIT OF CENTRE<br>FOR DEVELOPMENT OF ADVANCED COMPUTING (C-<br>DAC), A SCIENTIFIC SOCIETY OF THE DEPARTMENT OF<br>ELECTRONICS AND INFORMATION TECHNOLOGY<br>(DEITY), MINISTRY OF COMMUNICATIONS &<br>INFORMATION TECHNOLOGY (MCIT), GOVERNMENT OF<br>INDIA of PLOT - E2/1, BLOCK-GP, SECTOR-V, SALT LAKE<br>ELECTRONICS COMPLEX, BIDHANNAGAR, KOLKATA ,<br>INDIA West Bengal India |
| (31) Priority Document No                     | :NA            | (72)Name of Inventor :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (32) Priority Date                            | :NA            | <b>1)MAZUMDAR, DEBASIS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| (33) Name of priority country                 | :NA            | <b>2)KHAN, SOMA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| (86) International Application No             | :PCT//         | <b>3)BASU, JOYANTA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Filing Date                                   | :01/01/1900    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| (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 :

An automatic Speaker Recognition system with Voice Biometric to recognize including identification and verification of personal identity from individual's voice, comprising: a data acquisition unit operable for receiving the speaker input, a pre-processing unit operable for receiving the acquired data and transferring it to voice detection unit and feature extraction unit, a signal processing block operable for processing the input signal for extracting the different acoustic features and thereby calculation of Pitch Occurrence Frequency Distribution (POFD), a training block operable for the collection of speech specific data for each speaker and is clustered using unsupervised learning for compact representation of individual speaker models and thereby computing the weights and storing the weighted codebooks in a database and a testing block operable for speaker discriminative weighted matching along with pitch based dynamic pruning by using the standard Euclidian distance function to get the target speaker having highest matching score.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.895/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :08/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A DEVICE FOR GENERATING ELECTRICITY BY HARNESSING SOLAR ENERGY AND A METHOD THEREOF.

|                                               |                |                                                      |
|-----------------------------------------------|----------------|------------------------------------------------------|
| (51) International classification             | :H01L<br>31/00 | (71)Name of Applicant :<br><b>1)ROHIT NEIL GHOSH</b> |
| (31) Priority Document No                     | :NA            | Address of Applicant :BG124, SECTOR II, SALT LAKE,   |
| (32) Priority Date                            | :NA            | KOLKATA - 700091 West Bengal India                   |
| (33) Name of priority country                 | :NA            | (72)Name of Inventor :                               |
| (86) International Application No             | :NA            | <b>1)ROHIT NEIL GHOSH</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 :

The present invention relates to a device for continuous indoor/outdoor illumination of directly from Solar Panel using native DC current to drive LED Lights (luminaire), an Auto Grid Control and PV Panel Switcher array of two Relay Switches wherein one of the Relay Switches is co-located with the Solar Panels for toggling on / off solar input in case of periodic or intermittent low solar insolation below an acceptable adjustable threshold, which in turn triggers the 2nd Relay Switch co-located with the set of Luminaire to seamlessly switch over to the grid or solar, thus catering for inadequacy or erratic solar insolation.

No. of Pages : 20 No. of Claims : 9

## **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.2961/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SOFT CONTACT LENS

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :G02C              |
| (31) Priority Document No                     | :2009-241769       |
| (32) Priority Date                            | :20/10/2009        |
| (33) Name of priority country                 | :Japan             |
| (86) International Application No             | :PCT/JP2010/067592 |
| Filing Date                                   | :06/10/2010        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

**1)UNIVERSAL VIEW CO. LTD.**

Address of Applicant :1-7-11 Hirakawa-cho Chiyoda-ku  
Tokyo 1020093 Japan

(72)Name of Inventor :

**1)ARAI Hiroyuki**

**2)MIKAWA Sunao**

(57) Abstract :

DISCLOSED IS A SOFT CONTACT LENS WHICH, WHILST ENSURING SUFFICIENT LIGHT AROUND AN IMAGE, IS ADAPTABLE TO THE CORRECTION OF SHORT-SIGHTEDNESS, LONG SIGHTEDNESS, ASTIGMATISM AND PRESBYOPIA, ETCETERA. A SOFT CONTACT LENS (100) IS PROVIDED WITH A LIGHT SHIELDING SECTION (10) WHICH SHIELDS THE LIGHT COMING INTO THE CORNEA, AND A LENS BODY (16) WHICH COATS THE FRONT AND BACK SURFACES OF THE LIGHT SHIELDING SECTION (10), HAS A LARGER DIAMETER THAN THAT OF THE LIGHT SHIELDING SECTION (10), AND IS FORMED FROM A LIGHT PERMEABLE MATERIAL WHICH TRANSMITS THE INCOMING LIGHT. THE LIGHT SHIELDING SECTION (10) COMPRISES: A LIGHT SHIELDING SECTION BODY (18), FORMED FROM LIGHT SHIELDING MATERIAL; A PIN HOLE (12) WHICH IS PROVIDED IN THE LIGHT SHIELDING BODY (18) IN THE POSITION CONTAINING THE OPTICAL AXIS CONNECTING THE CENTRE OF THE CORNEA AND THE RETINA; AND A PLURALITY OF MINUTE HOLES (14) WHICH ARE PROVIDED SURROUNDING THE PIN HOLE (12). THE SOFT CONTACT LENS (100) IS ADAPTABLE TO THE CORRECTION OF ANY OF: SHORT-SIGHTEDNESS, LONG SIGHTEDNESS, ASTIGMATISM AND PRESBYOPIA, BY USING THE DEPTH OF FIELD OF THE PIN HOLE (12). FURTHERMORE, DUE TO THE PLURALITY OF MINUTE HOLES (14) SURROUNDING THE PIN HOLE (12), THE LENS ENSURES SUFFICIENT NIGHT VISION (BRIGHTNESS) AROUND AN IMAGE WHILST MAINTAINING LIGHT SHIELDING PROPERTIES.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3988/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : STEREOSCOPIC IMAGE DATA TRANSMISSION DEVICE STEREOSCOPIC IMAGE DATA TRANSMISSION METHOD AND STEREOSCOPIC IMAGE DATA RECEPTION DEVICE

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :H04N              |
| (31) Priority Document No                     | :2010-199370       |
| (32) Priority Date                            | :06/09/2010        |
| (33) Name of priority country                 | :Japan             |
| (86) International Application No             | :PCT/JP2011/069887 |
| Filing Date                                   | :01/09/2011        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

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1080075 Japan

(72)Name of Inventor :

**1)IKUO TSUKAGOSHI**

(57) Abstract :

TO ENABLE CONSISTENCY IN SENSE OF PERSPECTIVE TO BE RETAINED EASILY BETWEEN EACH OBJECT IN AN IMAGE AND OVERLAID INFORMATION, FOR EXAMPLE, AN OSD OR OTHER GRAPHIC INFORMATION, UPON STEREOSCOPIC IMAGE DISPLAY. [SOLUTION] A DISPARITY INFORMATION SET CREATION UNIT (122) CREATES A DISPARITY INFORMATION SET FOR A PREDETERMINED PIXEL POSITION ON THE BASIS OF A DISPARITY MAP. THE PREDETERMINED PIXEL POSITION IS, FOR EXAMPLE, THE PIXEL POSITION AT WHICH THE DISPARITY INFORMATION VALUE IS THE HIGHEST, THAT IS, THE PIXEL POSITION PERCEIVED TO BE CLOSEST. THE DISPARITY INFORMATION SET INCLUDES POSITION DATA INDICATING THE RELATIVE POSITION WITH RESPECT TO THE ENTIRE IMAGE, AND THE DISPARITY DATA FOR THAT POSITION. THE DISPARITY INFORMATION SET IS SYNCHRONIZED SPATIALLY WITH STEREOSCOPIC IMAGE DATA. THIS DISPARITY INFORMATION SET IS INDEPENDENT OF THE RESOLUTION OF THE STEREOSCOPIC IMAGE, AND INDEPENDENT OF THE MONITOR SIZE AND THE DISPLAY RESOLUTION OF THE MONITOR. AT EACH PERIOD OBTAINED BY EQUALLY DIVIDING THE BROADCAST PROGRAM PERIOD OF A PREDETERMINED BROADCAST PROGRAM HIERARCHICALLY, THE DISPARITY INFORMATION SET CREATION UNIT (122) CREATES A DISPARITY INFORMATION SET. THE DISPARITY INFORMATION SET IS TEMPORALLY SYNCHRONIZED WITH STEREOSCOPIC IMAGE DATA.

No. of Pages : 150 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7435/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMPROVED PROCESS FOR FRACTIONATION OF LIGNOCELLULOSIC BIOMASS

(51) International classification :C08B 1/00  
(31) Priority Document No :61/300,855  
(32) Priority Date :03/02/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2011/022000  
Filing Date :21/01/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)Thomas P. BINDER**  
**2)Paul D. BLOOM**  
**3)Perry H. DOANE**  
**4)Chicheng MA**

(57) Abstract :

METHODS ARE PROVIDED FOR THE EFFICIENT FRACTIONATION OF LIGNOCELLULOSIC BIOMASSES INTO CELLULOSIC, HEMICELLULOSIC AND LIGNIN FRACTIONS, WHEREIN CONCENTRATED ORGANIC ACID VAPORS ARE APPLIED TO THE BIOMASS AT ELEVATED TEMPERATURES AT THE LOCATION(S) OR NEAR THE LOCATION(S) WHERE THE BIOMASS HAS BEEN HARVESTED AND GATHERED, TO AT LEAST PARTLY DEPOLYMERIZE OR SUBSTANTIALLY SOLUBILIZE THE HEMICELLULOSES AND LIGNINS IN THE BIOMASS. THE ORGANIC ACID-TREATED BIOMASS IS IN EITHER CASE THEN DRIED AND PELLETIZED FOR EXTENDED BULK STORAGE AND/OR FOR SHIPMENT TO A SECOND FACILITY SOME DISTANCE AWAY. THE ORGANIC ACID-TREATED BIOMASS MAY BE PROCESSED INTO DESIRED CHEMICALS, FUELS AND/OR FUEL ADDITIVES AT THE LOCAL PROCESSING SITE OR AT A SECOND FACILITY AWAY FROM THE LOCAL PROCESSING SITE, OR THE PELLETIZED MATERIAL MAY BE USED AS A RUMINANT FEED LOCALLY OR AT A FEEDLOT SOME DISTANCE REMOVED FROM THE LOCAL PROCESSING SITE.

No. of Pages : 30 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3174/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : THERMOFORMING PRESS AND THERMOFORMING PROCESS

|                                               |                |
|-----------------------------------------------|----------------|
| (51) International classification             | :B29D          |
| (31) Priority Document No                     | :VR2011A000198 |
| (32) Priority Date                            | :27/10/2011    |
| (33) Name of priority country                 | :Italy         |
| (86) International Application No             | :NA            |
| Filing Date                                   | :NA            |
| (87) International Publication No             | : NA           |
| (61) Patent of Addition to Application Number | :NA            |
| Filing Date                                   | :NA            |
| (62) Divisional to Application Number         | :NA            |
| Filing Date                                   | :NA            |

(71)Name of Applicant :

**1)OMV MACHINERY S.R.L.**

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(72)Name of Inventor :

**1)BISSOLI GIANCARLO**

(57) Abstract :

A press for thermoforming a thermoformable sheet material (9a) for obtaining at least one thermomolded object, which has a support base (2); a pair of female molds (4, 5) supported for rotation around a rotation axis on the support base (2), the female molds (4, 5) of the pair having at least one thermoforming cavity or seat (13) formed therein, such molds being arranged diametrically opposite with respect to the rotation axis (x-x), drive means (6) for the pair of female molds (4, 5), comprising a rotary motion source (37) designed to drive a power drive shaft (38) and transmission means (41) designed to transmit the motion from the power drive shaft to the pair of female molds (4, 5), whereby 10 between power drive shaft (38) and female mold pair (4, 5) there is an angular displacement ratio of an angle greater than 360°, preferably 405°/1800, in order to make the female mold pair complete a sequence of 180 angular travels, thereby angularly and sequentially move each female mold (4, 5) into a molding position, at which at least one portion of the sheet material is thermoformed into a respective hollow object (TO), and 15 into a discharge position for the extraction of the at least one thermoformed object (TO); a support frame (3) extending from the support base (2); a male mold (7) movably supported in the support frame (3) at the pair of female molds (4, 5) and having at least one molding pad element (7a) designed to engage a respective thermoforming cavity (13) provided in each female mold (4, 5); drive means (8) for the male mold (7) suitable for 20 moving it open-closed in sync with the angular travels of the pair of female molds (4, 5), thereby making the male mold sequentially engage with a female mold when the latter stops in the molding position, and removing the male mold from the female mold before an angular displacement thereof towards the discharge position, and program control means (12) for said drive means (6, 8). 25

No. of Pages : 51 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6991/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : NAVIGATION SERVER AND NAVIGATION SYSTEM

(51) International classification :G01C 21/34  
(31) Priority Document No :2010-037352  
(32) Priority Date :23/02/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/068189  
Filing Date :15/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)KOJI SENGOKU**

**2)YUICHIRO ISHIDO**

**3)TADAFUMI NOGAWA**

(57) Abstract :

DISCLOSED IS A NAVIGATION SYSTEM WHICH CREATES ENVIRONMENT CONTRIBUTION INFORMATION IN ACCORDANCE WITH DEVIATION ((K)) BETWEEN THE TOTAL COST (C1(K)) OF A FIRST ROUTE (RT1(K)) WHICH IS SEARCHED USING TRAFFIC INFORMATION INDICATING THE AMOUNT OF THE COST REQUIRED TO PASS THROUGH EACH LINK, AND THE TOTAL COST (C2(K)) OF A SECOND ROUTE (RT2(K)) WHICH IS SEARCHED WITHOUT USING THE TRAFFIC INFORMATION. THE TRAFFIC INFORMATION USED WHEN THE FIRST ROUTE (RT1(K)), WHICH LEADS TO A TARGET LOCATION (TP(K)) OF A VEHICLE (2), IS SEARCHED IS USED WHEN A ROUTE TO A SHARED TARGET LOCATION IS SEARCHED BY MEANS OF A NAVIGATION DEVICE (200).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8560/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CONTROLLING THE TEXTURE OF HIGH-PROTEIN NUTRITIONAL COMPOSITIONS COMPRISING MICELLAR CASEIN

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :A23L              |
| (31) Priority Document No                     | :PCT/NL2010/050129 |
| (32) Priority Date                            | :11/03/2010        |
| (33) Name of priority country                 | :PCT               |
| (86) International Application No             | :PCT/NL2011/050168 |
| Filing Date                                   | :11/03/2011        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

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(72)Name of Inventor :

**1)DE KORT Esther Jacqueline**

**2)MINOR Marcel**

(57) Abstract :

MEDICAL DAIRY PRODUCTS ARE HIGHLY CONCENTRATED IN PROTEINS AND MINERALS. FORMULATION OF SUCH PRODUCTS IS CHALLENGING SINCE VISCOSITIES CAN EASILY INCREASE DURING PROCESSING AND STORAGE. IT WAS FOUND THAT USING ONE OR MORE CHELATING AGENTS SELECTED FROM THE GROUP CONSISTING OF A PHOSPHORIC ACID CITRIC ACID A SOLUBLE PHOSPHATE SALT A SOLUBLE CITRATE SALT OR A MIXTURE THEREOF THE VISCOSITY AND THE TRANSPARENCY OF AN AQUEOUS MICELLAR CASEIN COMPOSITION COMPRISING 6 TO 20 G/100 ML OF MICELLAR CASEIN AND HAVING A PH OF ABOUT 6 TO 8 COULD BE CONTROLLED INDEPENDENTLY OF EACH OTHER. IT WAS FOUND THAT PRODUCTS BECOME MORE VISCOUS AFTER ADDITION OF PHYTATE CITRATE OR ORTHOPHOSPHATE AND THAT THE VISCOSITY DEPENDS ON CONCENTRATION AND TYPE OF PHOSPHATE. ADDITION OF HEXAMETAPHOSPHATE LEADS TO GEL FORMATION. IN CONTRAST HIGH CONCENTRATIONS OF URIDINE MONOPHOSPHATE CAN BE ADDED WITHOUT SIGNIFICANTLY AFFECTING THE VISCOSITY.

No. of Pages : 50 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3110/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : BIOCIDAL COLLOIDAL DISPERSIONS OF SILICA PARTICLES WITH SILVER IONS ADSORBED THEREON

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :C01G              |
| (31) Priority Document No                     | :0901216-2         |
| (32) Priority Date                            | :22/09/2009        |
| (33) Name of priority country                 | :Sweden            |
| (86) International Application No             | :PCT/SE2010/051007 |
| Filing Date                                   | :20/09/2010        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

**1)PREBONA AB**

Address of Applicant :Scheelevgen 15 S-223 70 Lund  
Sweden

(72)Name of Inventor :

**1)Jan-Erik OTTERSTEDT**

(57) Abstract :

The invention relates to a colloidal dispersion comprising carrier particles of silica having a particle size from 3 nm to 100 nm to which silver ions have been adsorbed preferably in an amount of 0.0005 to 5 silver ions per nm<sup>2</sup> of silica particle surface. The surface of the carrier particles of silica suitably contains aluminosilicate sites. It also relates to a process for making a colloidal dispersion comprising providing a silica sol adding a solution of silver nitrate to the silica sol under agitation yielding a colloidal dispersion with silver ions adsorbed on the surface of the silica particles. The dispersion is usable as a biocide in e.g. coatings adhesives and sealants in surface treatment and impregnation of organic materials in surface treatment and impregnation of inorganic materials in textiles garments and shoes in medical disposables in plastics and rubbers in water and air purification and in crop protection.

No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3175/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : COUPLING FOR SLIP RING ASSEMBLY AND ULTRASONIC TRANSDUCER IN SURGICAL INSTRUMENT

|                                               |             |                                                     |
|-----------------------------------------------|-------------|-----------------------------------------------------|
| (51) International classification             | :A61B       | (71)Name of Applicant :                             |
| (31) Priority Document No                     | :13/272,614 | <b>1)ETHICON ENDO-SURGERY INC.</b>                  |
| (32) Priority Date                            | :13/10/2011 | Address of Applicant :4545 Creek Road Cincinnati OH |
| (33) Name of priority country                 | :U.S.A.     | 45242 U.S.A.                                        |
| (86) International Application No             | :NA         | (72)Name of Inventor :                              |
| Filing Date                                   | :NA         | <b>1)SORA RHEE</b>                                  |
| (87) International Publication No             | : NA        | <b>2)SAMANTHA L. SHEETS</b>                         |
| (61) Patent of Addition to Application Number | :NA         | <b>3)DANIEL J. MUMAW</b>                            |
| Filing Date                                   | :NA         | <b>4)JOHN A. WEED III</b>                           |
| (62) Divisional to Application Number         | :NA         | <b>5)CRAIG T. DAVIS</b>                             |
| Filing Date                                   | :NA         | <b>6)SCOTT A. NIELD</b>                             |

(57) Abstract :

An ultrasonic surgical instrument includes a body such as a handle assembly and an acoustic transmission assembly. The acoustic transmission assembly includes an ultrasonic transducer and an end effector. A mounting ring is positioned on a horn of the transducer. A rotatable drum is positioned distal to the mounting ring. Piezoelectric components of the transducer are positioned proximal to the mounting ring. Electrical conduits extend from the drum to the piezoelectric components and are routed over or through the mounting ring. The drum is coupled with a power source through a slip ring assembly to selectively activate the transducer.

No. of Pages : 61 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3178/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD AND A DRILLING TOOL FOR CONSTRUCTING LARGE DIAMETER UNDERGROUND PILES

|                                               |                |
|-----------------------------------------------|----------------|
| (51) International classification             | :E02D          |
| (31) Priority Document No                     | :TO2011A000913 |
| (32) Priority Date                            | :13/10/2011    |
| (33) Name of priority country                 | :Italy         |
| (86) International Application No             | :NA            |
| Filing Date                                   | :NA            |
| (87) International Publication No             | : NA           |
| (61) Patent of Addition to Application Number | :NA            |
| Filing Date                                   | :NA            |
| (62) Divisional to Application Number         | :NA            |
| Filing Date                                   | :NA            |

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)Maurizio SIEPI**

(57) Abstract :

A small diameter cylindrical pilot core (15) made of mechanically erodible materials is provided in the ground extending along the central axis of a large diameter underground pile to be constructed. Then the soil around the core pilot (15) is excavated using the same core as a guide for a drilling tool (20). This tool has a central cylindrical guiding cavity (26) inserted around the core (15) lower cutters (21 21) for breaking up the soil under the tool and inner cutters (28) arranged above the cylindrical cavity (26) for milling the top of the core (15) as the tool moves downward guided along the core.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4705/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : OPTHALMIC FORMULATIONS CONTAINING SUBSTITUTED GAMMA LACTAMS AND METHODS FOR USE THEREOF

(51) International classification :A61K  
(31) Priority Document No :61/258,308  
(32) Priority Date :05/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055685  
Filing Date :05/11/2012  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)ALLERGAN INC.**  
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(72)**Name of Inventor :**  
**1)ANURADHA GORE**  
**2)ROBERT S. JORDAN**  
**3)AJAY P. PARASHAR**  
**4)CHETAN P. PUJARA**  
**5)RICHARD S. GRAHAM**  
**6)MU-LAN LEE**

(57) Abstract :

THE INVENTION PROVIDES OPTHALMIC FORMULATIONS CONTAINING WELL-DEFINED SUBSTITUTED GAMMA LACTAMS. THE FORMULATIONS DESCRIBED HEREIN ARE USEFUL IN TREATING A VARIETY OF OCULAR DISEASES RELATED TO OCULAR HYPERTENSION, SUCH AS FOR EXAMPLE, GLAUCOMA.

No. of Pages : 30 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8564/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR PRODUCING AND PROCESSING WOOD CHIPS

(51) International classification :A47J  
(31) Priority Document No :1000210-3  
(32) Priority Date :05/03/2010  
(33) Name of priority country :Sweden  
(86) International Application No :PCT/SE2011/000042  
Filing Date :02/03/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)Per ENGSTRAND**

**3)Torbjrn CARLBERG**

**4)Per GRADIN**

**5)Oyvind GREGERSEN**

(72)Name of Inventor :

**1)Lisbeth HELLSTR-M**

**2)Per ENGSTRAND**

**3)Torbjrn CARLBERG**

**4)Per GRADIN**

**5)Oyvind GREGERSEN**

(57) Abstract :

This patent application describes a method to produce wood chips with the intention of reducing the energy consumption in the subsequent process steps for pulp production. With the present method wood chipping is done in a wood chipper where the chipping tool (3) has an angle  $\hat{1}^3$  (4) within the interval of 75 ° to 105 ° between the fibre direction of the log and the side of the tool which faces the chip (2). Angles in this interval will cause an axially directed compression of the chip which will cause a cracking of the wood during chipping.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3090/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :10/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : MAGNESIUM RICH DRINKING WATER

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :B01D              |
| (31) Priority Document No                     | :201568            |
| (32) Priority Date                            | :15/10/2009        |
| (33) Name of priority country                 | :Israel            |
| (86) International Application No             | :PCT/IL2010/000843 |
| Filing Date                                   | :14/10/2010        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

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**2)FUX Nikolay**

**3)BONAN Michael**

**4)DAFNY Eitan**

**5)SHIKOLSKY Gideon**

(57) Abstract :

The invention provides a system for supplying a magnesium enriched drinking water including circulating water through a bed of magnesium compound. The health-promoting water contains magnesium between 10 and 500 mg/liter and further it may contain additional health promoting salts while being sodium free.

No. of Pages : 22 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3224/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : GM1-LIKE PEPTIDES AND USES THEREOF

|                                               |             |
|-----------------------------------------------|-------------|
| (51) International classification             | :C12P       |
| (31) Priority Document No                     | :61/549,014 |
| (32) Priority Date                            | :19/10/2011 |
| (33) Name of priority country                 | :U.S.A.     |
| (86) International Application No             | :NA         |
| Filing Date                                   | :NA         |
| (87) International Publication No             | : NA        |
| (61) Patent of Addition to Application Number | :NA         |
| Filing Date                                   | :NA         |
| (62) Divisional to Application Number         | :NA         |
| Filing Date                                   | :NA         |

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)ROBERT YU**

**2)HAN-CHUNG WU**

**3)SIEGO USUKI**

(57) Abstract :

Compositions and methods relating to interfering with the interaction of gangliosides, such as GM1, with their ligands are provided . For example, methods are provided for treating infections by blocking the infectious agent from binding with GM1 using GMI-like peptides . Also provided are methods of inhibiting ligands from binding to GMI on the surface of cells and for neutralizing anti-GMI antibodies in neurological diseases.

No. of Pages : 60 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3225/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHOTOVOLTAIC DEVICE AND METHOD OF MANUFACTURING THE SAME

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :H01L              |
| (31) Priority Document No                     | :10- 2011-0115373  |
| (32) Priority Date                            | :07/11/2011        |
| (33) Name of priority country                 | :Republic of Korea |
| (86) International Application No             | :NA                |
| Filing Date                                   | :NA                |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

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(72)Name of Inventor :

**1)NAM-KYU SONG**

**2)MIN-SEOK OH**

**3)YUN-SEOK LEE**

**4)CHO-YOUNG LEE**

(57) Abstract :

A photovoltaic device includes a semiconductor substrate; an amorphous first conductive semiconductor layer on a first region of a first surface of the semiconductor substrate and containing a first impurity; an amorphous second conductive semiconductor layer on a second region of the first surface of the semiconductor substrate and containing a second impurity; and a gap passivation layer located between the first region and the second region on the semiconductor substrate, wherein the first conductive semiconductor layer is also on the gap passivation layer.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3547/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :23/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ACCELERATED CURE OF ISOCYANATE TERMINATED PREPOLYMERS

(51) International classification :C08F  
(31) Priority Document No :61/261,699  
(32) Priority Date :16/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/056807  
Filing Date :16/11/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)CHEMTURA CORPORATION**  
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(72)**Name of Inventor :**  
**1)THOMAS R. DOYLE**  
**2)MARK P. FERRANDINO**  
**3)RONALD O. ROSENBERG**

(57) Abstract :

A PREPOLYMER MIXTURE FOR PREPARING A POLYURETHANE ELASTOMER, THE MIXTURE COMPRISING AN ISOCYANATE TERMINATED PREPOLYMER AND A NITROGEN-- CONTAINING ORGANIC SALT. THE NITROGEN- - CONTAINING ORGANIC SALT MAY BE SELECTED FROM THE GROUP CONSISTING OF AN AMMONIUM SALT, AN IMIDAZOLIUM SALT, A PYRIDINIUM SALT, A PYRROLIDINIUM SALT, A PIPERIDINIUM SALT, AND A MORPHOLINIUM SALT.

No. of Pages : 30 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8582/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN INTEGRATED WASHABLE AND REUSABLE THREE-DIMENSIONAL (3D) MULTIFUNCTIONAL KNITTED FABRIC STRUCTURE AND METHOD TO PRODUCE THE SAME

(51) International classification :D06N1/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/PT2010/000008  
Filing Date :05/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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**1)ESTEVE DE SOUSA FANGUEIRO Raul Manuel**  
**2)DA CUNHA SOUTINHO Hlder Filipe**  
**3)QUEIROGA FIGUEIREDO Alberto**  
**4)ARAŠJO PIRES Carla Marina**

(57) Abstract :

THIS INVENTION PROVIDES A THREE-DIMENSIONAL (3D) MULTIFUNCTIONAL KNITTED FABRIC STRUCTURE COMPRISING TWO INDEPENDENT LAYERS (1 AND 3) CONNECTED BY CROSS-THREADS (2) BEING ABLE TO BE APPLIED AS ABSORBENCY STRUCTURE IN MEDIUM INCONTINENCE MEN’S REUSABLE UNDERWEAR. THE STRUCTURE IS PRODUCED IN A SINGLE STEP USING WEFT-KNITTING TECHNOLOGY AND DESIGNED TO PERFORM SEVERAL FUNCTIONS IN A SINGLE FABRIC. THE INNER LAYER (1), TO BE IN CONTACT WITH HUMAN BODY, IS RESPONSIBLE TO TRANSPORT LIQUID, URINE AND PERSPIRATION FROM THE HUMAN BODY TO THE OUTER LAYER (3), THROUGH THE CROSS-THREADS (2), KEEPING DRY THE HUMAN SKIN. CROSS-THREADS (2) ARE RESPONSIBLE TO KEEP APART BOTH INDEPENDENT LAYERS AND TO TRANSPORT LIQUID FROM THE INNER LAYER (1) TO THE OUTER LAYER (2). THE OUTER LAYER (3) IS RESPONSIBLE TO ABSORB THE LIQUID AND, AT SAME TIME, TO CONTROL THE ODOR AND MICROORGANISMS PROLIFERATION GENERATED BY THE URINE. THE OUTER LAYER (3) IS COATED OR LAMINATED (4) WITH A MOISTURE CONTROL POLYURETHANE IN ORDER TO PREVENT LIQUID PASSAGE TO THE USER PAINTS AND AT SAME TIME TO PROVIDE VAPOR TRANSMISSION.

No. of Pages : 19 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3494/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : VANADIUM BATTERY

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :H01M              |
| (31) Priority Document No                     | :2009-241262       |
| (32) Priority Date                            | :20/10/2009        |
| (33) Name of priority country                 | :Japan             |
| (86) International Application No             | :PCT/JP2010/068423 |
| Filing Date                                   | :20/10/2010        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

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**4)Hiroki SAKURABA**

**5)Kenji SHIRASAKI**

**6)Suguru OHTA**

(57) Abstract :

A solid vanadium rechargeable battery including; a first vanadium compound containing vanadium whose oxidation number changes between 2 and 3 due to oxidation and reduction reactions or solid vanadium salt or complex salt including such vanadium and a surface that becomes a negative electrode; a second vanadium compound containing vanadium whose oxidation number changes between 5 and 4 due to reduction and oxidation reactions or solid vanadium salt or complex salt including such vanadium and a surface that becomes a positive electrode; and a separator sandwiched between the first and the second vanadium compounds for selectively allowing ions to pass through is provided.

No. of Pages : 61 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3651/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ROLLER MILL

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :B02C 15/00        |
| (31) Priority Document No                     | :10 2010 012 893.7 |
| (32) Priority Date                            | :26/03/2010        |
| (33) Name of priority country                 | :Germany           |
| (86) International Application No             | :PCT/EP2011/000837 |
| Filing Date                                   | :22/02/2011        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

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(72)Name of Inventor :

**1)OTTO HEINEMANN**

(57) Abstract :

IN THIS ROLLER MILL (3) WITH A VERTICAL AXIS (1), THE GRINDING ROLLERS (5) ARE MOUNTED VIA THE GRINDING ROLLER SHAFTS (6) IN BEARING HOUSINGS (7) WHICH ARE EQUIPPED WITH ROLLING BEARINGS AND WHICH ARE FASTENED OUTSIDE THE ROLLER MILL HOUSING ON CONCRETE FOUNDATIONS (9). BETWEEN THE BEARING HOUSINGS (7) OF THE GRINDING ROLLER BEARING ARRANGEMENT AND THE CONCRETE FOUNDATIONS (9) ARE SITUATED SO-CALLED SCISSOR LIFT TABLES (8) WHICH, BY MEANS OF AN INTEGRATED HYDROPNEUMATIC SUSPENSION, PRESS THE GRINDING ROLLERS INSIDE THE ROLLER MILL HOUSING ONTO THE MATERIAL FOR GRINDING SITUATED ON THE GRINDING PLATE (3) AND CARRY OUT THE GRINDING PROCESS. MOREOVER, THE SCISSOR LIFT TABLES (8) HAVE THE FUNCTION OF STABILIZING THE GRINDING ROLLERS (3) AGAINST TANGENTIAL FORCES AND OF ALLOWING ONLY A PURE VERTICAL MOVEMENT FOR THE GRINDING ROLLERS. THIS MEANS THAT A TILTING OF THE GRINDING ROLLERS IS EFFECTIVELY PREVENTED BY THE SCISSOR LIFT TABLES. THE SCISSOR LIFT TABLES WITH THE GRINDING ROLLER UNITS FASTENED THEREON STAND ON FIXABLE MOVABLE BASES, WITH THE RESULT THAT THE GRINDING ROLLER UNITS CAN BE MOVED INDIVIDUALLY OUT OF THE ROLLER MILL HOUSING OR THE GRINDING ROLLERS CAN BE SLIGHTLY DISPLACED RADially ON THE GRINDING PLATE.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3652/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CONTINUOUSLY TRANSPOSED CONDUCTOR

(51) International classification :H01B 7/08

(31) Priority Document No :09306114.1

(32) Priority Date :19/11/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/067575

Filing Date :16/11/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)PAOLO RABBIA**

(57) Abstract :

THE PRESENT INVENTION RELATES TO A CONTINUOUSLY TRANSPOSED CONDUCTOR (2), COMPRISING SEVERAL IDENTICAL STRANDS (20) WHICH ARE CONNECTED UP PARALLEL TO THE ENDS, EACH STRAND (20) SUCCESSIVELY AND REPEATEDLY TAKING ON EVERY POSSIBLE POSITION INSIDE THE WHOLE CONDUCTOR CROSS-SECTION. ACCORDING TO THE INVENTION, EACH STRAND (20) IS A SUBSET COMPRISING AT LEAST TWO WIRES OF RECTANGULAR CROSS SECTION FIRMLY JOINED TOGETHER BY A JOINING COATING TO FORM SAID SUBSET. WIRES WITHIN A SUBSET MAY BE ARRANGED EITHER FLAT BY FLAT OR SIDE BY SIDE.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5350/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :16/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : VEHICLE BODY PANEL LATCH WITH A REMOTE ACTUATOR

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :B23B              |
| (31) Priority Document No                     | :TO2009A001046     |
| (32) Priority Date                            | :28/12/2009        |
| (33) Name of priority country                 | :Italy             |
| (86) International Application No             | :PCT/EP2010/070343 |
| Filing Date                                   | :21/12/2010        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

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(72)Name of Inventor :

**1)SPADONI Riccardo**

**2)FAVA Gianluca**

**3)RESCA Ivano**

**4)ROTA Franco**

(57) Abstract :

A VEHICLE HAVING AN OPENABLE BODY PANEL (10) AND A LATCH WITH A PIVOTABLE RELEASE LEVER FOR HOLDING THE PANEL IN A CLOSED POSITION, IS PROVIDED WITH AN ACTUATOR FOR REMOTELY RELEASING THE LATCH. THE ACTUATOR COMPRISING A ROD (12) COUPLED AT ONE END TO THE RELEASE LEVER OF THE LATCH. THE OTHER END OF THE ROD (12) IS CONNECTED TO AN ELEMENT (30) THAT IS SLIDABLY RECEIVED WITHIN A TUBULAR SOCKET (14) FITTED WITHIN A HOLE IN THE BODY PANEL. THE ELEMENT (30) IS RECESSED WITHIN THE SOCKET (14) SO AS NOT TO PROTRUDE BEYOND THE OUTER SURFACE OF THE BODY PANEL.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8602/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : Viral particle released after infection of mammalian cells by human cytomegalovirus (HCMV) containing a fusion protein and use thereof

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :C12N              |
| (31) Priority Document No                     | :10 003 712.6      |
| (32) Priority Date                            | :06/04/2010        |
| (33) Name of priority country                 | :EPO               |
| (86) International Application No             | :PCT/EP2011/001712 |
| Filing Date                                   | :06/04/2011        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

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Germany

(72)Name of Inventor :

**1)BECKE Sabine**

**2)REYDA Sabine**

**3)PLACHTER Bodo**

(57) Abstract :

The present invention is related to a viral particle released after infection of mammalian cells by human cytomegalovirus (HCMV) wherein a) the particle is surrounded by a lipid membrane in which viral glycoproteins are embedded b) the particle contains neither viral DNA nor capsids; and c) the particle contains a fusion protein comprising one or more parts of the T-cell antigen pp65 and at least one heterologous peptide and wherein the at least one heterologous peptide is inserted at amino acid position W175 or A534 of the amino acid sequence of the T-cell antigen pp65.

No. of Pages : 37 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7436/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND SYSTEM FOR ADAPTING TEXT CONTENT TO THE LANGUAGE BEHAVIOR OF AN ONLINE COMMUNITY

(51) International classification :G06F 17/27  
(31) Priority Document No :1001793  
(32) Priority Date :27/04/2010  
(33) Name of priority country :France  
(86) International Application No :PCT/EP2011/055968  
Filing Date :14/04/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)STAN Johann**  
**2)HACID Hakim**

(57) Abstract :  
METHOD FOR ADAPTING A TEXTUAL CONTENT TO THE LANGUAGE BEHAVIOUR OF AN ON-LINE COMMUNITY, COMPRISING THE FOLLOWING STEPS: - ESTABLISHMENT OF A SEMANTIC CLOUD OF TAGS OF THE ON-LINE COMMUNITY; - DETERMINATION, ON THE BASIS OF THE SEMANTIC CLOUD OF TAGS, OF AT LEAST ONE SEMANTIC NEIGHBOURHOOD TO AT LEAST ONE CONCEPT OF THE TEXTUAL CONTENT; - REFORMULATION OF THE TEXTUAL CONTENT WITH THE AID OF THE SEMANTIC NEIGHBOURHOOD DETERMINED.

No. of Pages : 15 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8562/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : HEATING COVER FOR A DEVICE FOR TRANSPORTING A FLUID CONTAINING A HYDROCARBON

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :F17D1/18          |
| (31) Priority Document No                     | :1052844           |
| (32) Priority Date                            | :14/04/2010        |
| (33) Name of priority country                 | :France            |
| (86) International Application No             | :PCT/FR2011/050603 |
| Filing Date                                   | :22/03/2011        |
| (87) International Publication No             | :WO 2011/128546    |
| (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)BIGEX Thibaud**

**2)WOIRIN Jr'me**

(57) Abstract :

THE INVENTION RELATES TO A HEATING COVER FOR A DEVICE FOR TRANSPORTING A FLUID CONTAINING A HYDROCARBON, EXTENDING OVER A SURFACE (S) AND COMPRISING, IN A DIRECTION TRANSVERSE TO THE SURFACE, A FIRST ELECTRICAL INSULATION LAYER (2), A HEATING LAYER (3) ARRANGED ON THE FIRST ELECTRICAL INSULATION LAYER AND COMPRISING CARBON FIBRES EMBEDDED IN AN ELASTOMER, A SECOND ELECTRICAL INSULATION LAYER (4) ARRANGED ON THE HEATING LAYER, A HEAT INSULATION LAYER (5) ARRANGED ON THE SECOND ELECTRICAL INSULATION LAYER, AND POWER SUPPLY MEANS (6).

No. of Pages : 20 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8563/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : HEATING DEVICE FOR A DEVICE FOR TRANSPORTING A FLUID CONTAINING A HYDROCARBON

|                                               |                     |                                                          |
|-----------------------------------------------|---------------------|----------------------------------------------------------|
| (51) International classification             | :F17D1/18,F16L53/00 | (71)Name of Applicant :                                  |
| (31) Priority Document No                     | :1052845            | <b>1)TOTAL SA</b>                                        |
| (32) Priority Date                            | :14/04/2010         | Address of Applicant :2 place Jean Millier La Dfense 6 F |
| (33) Name of priority country                 | :France             | 92400 Courbevoie France                                  |
| (86) International Application No             | :PCT/FR2011/050604  | (72)Name of Inventor :                                   |
| Filing Date                                   | :22/03/2011         | <b>1)BIGEX Thibaud</b>                                   |
| (87) International Publication No             | :WO 2011/128547     | <b>2)WOIRIN Jr'me</b>                                    |
| (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 heating device (20) for a device (10) for transporting a fluid containing a hydrocarbon, said heating device comprising a rigid structure (22) extending between two lateral walls (22a, 22b), forming a space (23) between the lateral walls (22a, 22b), a flexible membrane (21) comprising heating means and extending into the space (23) in order to define, in said space (23), an inner cavity (23a) and an outer cavity (23b) at least partially surrounding the transport device (10), and pumping means (24) designed to supply a fluid to the inner cavity (23a), remove said fluid therefrom, or keep said fluid therein, in order to bring the membrane (21) into contact with the transport device (10) so as to heat same.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3971/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : POLYMERS FOR CONTACT LENSES

|                                        |                    |                                                               |
|----------------------------------------|--------------------|---------------------------------------------------------------|
| (51) International classification      | :C08G              | (71)Name of Applicant :                                       |
| (31) Priority Document No              | :0919459.8         | <b>1)OCUTEC LIMITED</b>                                       |
| (32) Priority Date                     | :06/11/2009        | Address of Applicant :3 Clark Way Bellshill Industrial Estate |
| (33) Name of priority country          | :U.K.              | Bellshill ML4 3NX U.K.                                        |
| (86) International Application No      | :PCT/GB2010/002020 | (72)Name of Inventor :                                        |
| Filing Date                            | :02/11/2010        | <b>1)ABDUL RASHID</b>                                         |
| (87) International Publication No      | : NA               | <b>2)RODERICK WILLIAM JONATHAN BOWERS</b>                     |
| (61) Patent of Addition to Application | :NA                | <b>3)WADE TIPTON</b>                                          |
| Number                                 | :NA                | <b>4)NEIL BONNETTE GRAHAM</b>                                 |
| Filing Date                            |                    |                                                               |
| (62) Divisional to Application Number  | :NA                |                                                               |
| Filing Date                            | :NA                |                                                               |

(57) Abstract :

THE PRESENT INVENTION RELATES TO A POLYURETHANE PREPARED FROM A MIXTURE COMPRISING: (A) AT LEAST ONE POLYETHYLENE GLYCOL; (B) AT LEAST ONE DI-ISOCYANATE; (C) AT LEAST ONE POLYDIALKYL SILOXANE DIOL; AND (D) AT LEAST ONE DIOL OF FORMULA (I) WHEREIN N IS AN INTEGER FROM 1 TO 25; WHEREIN THE POLYETHYLENE GLYCOL, DI-ISOCYANATE, POLYDIALKYL SILOXANE DIOL AND DIOL ARE REACTED UNDER SUBSTANTIALLY ANHYDROUS CONDITIONS. FURTHER ASPECTS OF THE INVENTION RELATE TO A PROCESS FOR PREPARING A POLYURETHANE. THE INVENTION ALSO RELATES TO A PROCESS FOR PREPARING A POLYURETHANE XEROGEL IN THE FORM OF A MOLDED ARTICLE, SAID PROCESS COMPRISING THE STEPS OF: (I) PREPARING A REACTION MIXTURE COMPRISING AT LEAST ONE POLYETHYLENE GLYCOL, AT LEAST ONE DI-ISOCYANATE, AT LEAST ONE POLYDIALKYL SILOXANE DIOL AND AT LEAST ONE DIOL OF FORMULA I AS DESCRIBED ABOVE; (II) REACTING THE REACTION MIXTURE FORMED IN STEP (I) UNDER SUBSTANTIALLY ANHYDROUS CONDITIONS TO FORM A POLYURETHANE XEROGEL; AND (III) INJECTION MOLDING THE POLYURETHANE XEROGEL TO FORM A MOLDED ARTICLE.

No. of Pages : 45 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3972/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR PRODUCING A POLYURETHANE FOAM AND POLYURETHANE FOAM OBTAINABLE THEREFROM

(51) International classification :C08G  
(31) Priority Document No :102009053224.2  
(32) Priority Date :06/11/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/066738  
Filing Date :03/11/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)WOLFGANG FRIEDERICH**  
**3)REINHARD STREY**  
**4)THOMAS SOTTMANN**  
**5)ELENA KHAZOVA**  
**6)LORENZ KRAMER**  
**7)VERENA DAHL**  
**8)AGNES CHALBI**

(57) Abstract :

THE INVENTION RELATES TO A METHOD FOR PRODUCING A POLYURETHANE FOAM HAVING BIMODAL CELL SIZE DISTRIBUTION, COMPRISING THE STEPS OF: PROVIDING A MIXTURE IN A MIXING HEAD, WHEREIN THE MIXTURE COMPRISES: A) A COMPONENT REACTIVE IN THE PRESENCE OF ISOCYANATES; B) A SURFACTANT COMPONENT; C) A PROPELLANT COMPONENT SELECTED FROM THE GROUP COMPRISING LINEAR, BRANCHED, OR CYCLIC C1- TO C6-ALKANE, LINEAR, BRANCHED, OR CYCLICAL C1- TO C6 FLUORALKANE, N<sub>2</sub>, O<sub>2</sub>, ARGON AND/OR CO<sub>2</sub>, WHEREIN THE PROPELLANT COMPONENT C) IS PRESENT IN THE SUPERCRITICAL OR NEAR-CRITICAL STATE; AND D) A POLYISOCYANATE COMPONENT; AND DISCHARGING THE MIXTURE COMPRISING THE COMPONENTS A, B, C, D FROM THE MIXING HEAD, WHEREIN THE PRESSURE PRESENT IN THE MIXTURE IS LOWERED TO ATMOSPHERIC PRESSURE WHEN DISCHARGING THE MIXTURE.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8586/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR DETECTING IMPERFECTIONS IN A RUNNING THREAD HAVING IMPROVED WORKING POINT ADJUSTMENT

(51) International classification :B68C  
(31) Priority Document No :10 2010 010 324.1  
(32) Priority Date :04/03/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/053333  
Filing Date :04/03/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)VIENCO GMBH**

Address of Applicant :Bonnenbroicher Str. 11-15 41238

Mnchengladbach Germany

(72)Name of Inventor :

**1)FERDINAND JOSEF HERMANNS**

**2)ROLF HAASEN**

(57) Abstract :

THE INVENTION RELATES TO A METHOD FOR THE NON-CONTACT DETECTION OF IMPERFECTIONS IN A RUNNING THREAD (5), WHEREIN IMPERFECTIONS ARE FORMED, IN PARTICULAR, BY PROJECTING FILAMENTS (7) OR BY FILAMENT RUPTURES OR BY ENTRAINED DIRT PARTICLES OR LINT BALLS, WHEREIN ON A TEXTILE MACHINE, PREFERABLY ON A SPOOLING LOCATION OR ON A WINDER OF A TEXTILE MACHINE, A GEOMETRICAL OPTICS SENSOR UNIT (1) HAVING AT LEAST THREE LIGHT BARRIERS (2, 3) IS USED, OF WHICH A FIRST LIGHT BARRIER (3) REFERRED TO AS A SHADING LIGHT BARRIER FORMS A SHADING OPTICS THROUGH WHICH THE RUNNING THREAD (5) TRAVERSES AND WHICH DETECTS THE STRUCTURES OF THE RUNNING THREAD (5), AND OF WHICH AT LEAST TWO FURTHER TRIGGER LIGHT BARRIERS (2) ARE ARRANGED AT DIFFERENT DISTANCES TO THE THREAD (5) AND/OR ON DIFFERENT SIDES OF THE THREAD (5) SUCH THAT ONLY IMPERFECTIONS OF THE RUNNING THREAD (5) CAUSE SHADING OF THE TRIGGER LIGHT BARRIERS, WHEREIN THE WORKING POINT OF THE TRIGGER LIGHT BARRIERS IS ADJUSTED OR TRACKED CONTINUOUSLY OR AT PREDETERMINED TIMES IN ORDER TO COMPENSATE FOR POTENTIAL DIRT ACCUMULATION ON THE TRIGGER LIGHT BARRIERS OR TO SUPPRESS AGING SYMPTOMS OF THE COMPONENTS OF THE GEOMETRICAL OPTICS SENSOR UNIT, AND WHEREIN A WORKING POINT SHIFT THAT OCCURRED ON THE TRIGGER LIGHT BARRIERS (2) IS APPLIED TO THE SHADING LIGHT BARRIER (3) SUCH THAT THE WORKING POINT OF THE SHADING LIGHT BARRIER (3) IS ADJUSTED OR TRACKED WITH A PREDETERMINABLE DEPENDENCE ON THE WORKING POINT SHIFT OF THE TRIGGER LIGHT BARRIERS (2).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8565/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CONTOURING TOOTHBRUSH HEAD

(51) International classification :A47J  
(31) Priority Document No :10/109,637  
(32) Priority Date :01/04/2002  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2003/009754  
Filing Date :31/03/2003  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :3061/DELNP/2004  
Filed on :31/03/2003

(71)Name of Applicant :

**1)COLGATE-PALMOLIVE COMPANY**

Address of Applicant :300 Park Avenue New York NY  
10022 UNITED STATES OF AMERICA.

(72)Name of Inventor :

**1)HOHLBEIN Douglas Joseph**

(57) Abstract :

THE PRESENT INVENTION DISCLOSES A TOOTHBRUSH HAVING A HANDLE AND AN ARTICULATED HEAD COUPLED TO THE HANDLE. THE ARTICULATED HEAD INCLUDES TWO SECTIONS AND EACH OF THE HEAD SECTIONS HAS A BOTTOM SURFACE AND A SIDE SURFACE. EACH OF THE HEAD SECTIONS INCLUDES A PLURALITY OF BRISTLES EXTENDING FROM THE BOTTOM SURFACE OF THAT HEAD SECTION AND AT LEAST ONE OF THE HEAD SECTIONS INCLUDES A PLURALITY OF ELASTOMERIC FINGERS PARTIALLY DEFINING THE SIDE SURFACE OF THAT HEAD SECTION AND PARTIALLY EXTENDING FROM THE BOTTOM SURFACE OF THAT HEAD SECTION. THE HEAD SECTION MOST REMOTE FROM THE HANDLE, IN A NORMAL CONFIGURATION OF THE ARTICULATED HEAD, IS ANGLED WITH RESPECT TO THE OTHER HEAD SECTION.

No. of Pages : 35 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8567/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : HIGH-PURITY COPPER ANODE FOR COPPER ELECTROPLATING, METHOD FOR PRODUCING SAME, AND COPPER ELECTROPLATING METHOD

(51) International classification :C22C  
(31) Priority Document No :2010-077215  
(32) Priority Date :30/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/057450  
Filing Date :25/03/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)MITSUBISHI MATERIALS CORPORATION**  
Address of Applicant :3-2 Otemachi 1-chome Chiyoda-ku  
Tokyo 1008117 Japan  
(72)Name of Inventor :  
**1)NAKAYA Kiyotaka**  
**2)KITA Koichi**  
**3)KUMAGAI Satoshi**  
**4)KATO Naoki**  
**5)WATANABE Mami**

(57) Abstract :

DISCLOSED ARE A HIGH-PURITY COPPER ANODE FOR ELECTROPLATING THAT CAN REDUCE THE GENERATION OF SLIME AND OTHER PARTICLES AND PLATING FAILURE CAUSED THEREBY, A METHOD FOR PRODUCING THE SAME, AND A COPPER ELECTROPLATING METHOD USING THE SAME. AFTER IMPARTING PROCESSING STRAIN BY PROCESSING HIGH-PURITY COPPER FOR ELECTROPLATING, THE COPPER CRYSTAL GRAINS ON THE ANODE SURFACE ARE GIVEN A CRYSTAL GRAIN BOUNDARY STRUCTURE BY CARRYING OUT RECRYSTALLIZATION HEAT TREATMENT SUCH THAT THE SPECIAL GRAIN BOUNDARY LENGTH RATIO LN/LSN BETWEEN THE UNIT TOTAL GRAIN BOUNDARY LENGTH LN OF CRYSTAL GRAIN BOUNDARIES AND THE UNIT TOTAL SPECIAL GRAIN BOUNDARY LENGTH LSN OF SPECIAL GRAIN BOUNDARIES IS 0.35 OR GREATER. CONSEQUENTLY, PLATING FAILURES ARE REDUCED BY INHIBITING THE GENERATION OF SLIME AND OTHER PARTICLES GENERATED ON THE ANODE SIDE IN THE COPPER PLATING BATH.

No. of Pages : 34 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8568/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ANTIBODIES TO CD122

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :C12N              |
| (31) Priority Document No                     | :61/322,229        |
| (32) Priority Date                            | :08/04/2010        |
| (33) Name of priority country                 | :U.S.A.            |
| (86) International Application No             | :PCT/US2011/031640 |
| Filing Date                                   | :07/04/2011        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

**1)JN BIOSCIENCES LLC**

Address of Applicant :320 Logue Ave. Mountain View  
California 94043 U.S.A.

(72)Name of Inventor :

**1)TSO J. Yun**

**2)TSURUSHITA Naoya**

**3)LANDOLFI Nicholas F.**

**4)KUMAR Shankar**

(57) Abstract :

THE INVENTION PROVIDES MONOCLONAL ANTIBODIES THAT SPECIFICALLY BIND TO CD122, WHICH IS ONE COMPONENT OF RECEPTORS FOR IL-2 AND IL-15. THE MONOCLONAL ANTIBODIES HAVE THE CAPACITY FOR SUBSTANTIAL INHIBITION OF BOTH IL-2 AND IL-15 MEDIATED FUNCTIONS BY INHIBITING BINDING OF THESE CYTOKINES TO THEIR RECEPTORS. THE MONOCLONAL ANTIBODIES CAN BE USED FOR INHIBITING UNDESIRE

No. of Pages : 86 No. of Claims : 50



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3908/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR PRODUCING HOLOGRAPHIC MEDIA

(51) International classification :G11B  
(31) Priority Document No :09013765.4  
(32) Priority Date :03/11/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/066589  
Filing Date :02/11/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)BAYER MATERIALSCIENCE AG**  
Address of Applicant :51368 Leverkusen Germany  
(72)**Name of Inventor :**  
**1)MARC-STEPHAN WEISER**  
**2)THOMAS R-LLE**  
**3)DENNIS H-NEL**  
**4)FRIEDRICH-KARL BRUDER**  
**5)FRIEDRICH-KARL BRUDER**  
**6)THOMAS F.,CKE**

(57) Abstract :

THE INVENTION RELATES TO A METHOD FOR PRODUCING HOLOGRAPHIC MEDIA, WHEREIN A PHOTOPOLYMER FORMULATION COMPRISING MATRIX POLYMERS, WRITING MONOMERS, A PHOTOINITIATOR SYSTEM, AND OPTIONALLY AUXILIARY MATERIALS AND ADDITIVES AS COMPONENTS IS PROVIDED, THE PHOTOPOLYMER FORMULATION IS APPLIED AS A COATING ON THE SURFACE OF A CARRIER FILM AND THE PHOTOPOLYMER FORMULATION IS DRIED ON THE CARRIER FILM AT A TEMPERATURE  $XX < T < YY$  °C, WHEREIN ONLY THOSE COMPOUNDS HAVING TGA 95 VALUES  $> 100^{\circ}\text{C}$  AND AT LEAST  $30^{\circ}\text{C}$  ABOVE THE TEMPERATURE T ARE SELECTED AS COMPONENTS FOR THE PHOTOPOLYMER FORMULATION. THE INVENTION FURTHER RELATES TO A HOLOGRAPHIC MEDIUM THAT CAN BE OBTAINED BY MEANS OF THE METHOD ACCORDING TO THE INVENTION.

No. of Pages : 48 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8573/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SOLAR CELLS AND METHOD FOR PRODUCING SAME

(51) International classification :G01N  
(31) Priority Document No :10 2010 014 555.6  
(32) Priority Date :01/04/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/001652  
Filing Date :01/04/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)SOMONT GMBH**

Address of Applicant :Im Brunnenfeld 8 79224 Umkrich

Germany

(72)Name of Inventor :

**1)EGON HBEL**

**2)ANDR% RICHTER**

(57) Abstract :

THE INVENTION RELATES TO SOLAR CELLS, IN WHICH AT LEAST ONE CONDUCTOR, PREFERABLY A COLLECTOR OR BUS BAR CONDUCTOR (6) IS MECHANICALLY AND ELECTRICALLY CONDUCTIVELY CONNECTED TO THE SOLAR CELL AND/OR FURTHER CONDUCTORS BY A CONDUCTIVE CLADDING (7), WHEREIN THE CONDUCTIVE CLADDING (7) IS PREFERABLY DEPOSITED ELECTROLYTICALLY OR GALVANICALLY FROM A SOLUTION OR IS PRODUCED BY PLASMA SPRAYING. THE INVENTION FURTHER RELATES TO A METHOD FOR CONNECTING SOLAR CELLS (1) BY MEANS OF AT LEAST ONE CONDUCTOR AND/OR FOR CONNECTING CONDUCTORS ON SOLAR CELLS (1), WHEREIN AT LEAST ONE ELECTRICALLY CONDUCTIVE CONDUCTOR IS MECHANICALLY AND ELECTRICALLY CONNECTED BY DEPOSITING A CONDUCTIVE CLADDING (7) FROM SOLUTION ONTO THE SOLAR CELL (1) AND/OR ONTO AT LEAST ONE FURTHER CONDUCTOR. THE INVENTION FURTHER RELATES TO A DEVICE FOR DEPOSITING A MECHANICALLY CONNECTING AND ELECTRICALLY CONDUCTIVE CLADDING (7) FROM SOLUTION ONTO SOLAR CELLS (1) IN ELECTROLYTIC CELLS, COMPRISING MEANS (15, 16, 30, 32, 33) FOR RECEIVING AT LEAST ONE CONDUCTOR, PREFERABLY A COLLECTOR OR BUS BAR CONDUCTOR (6) CONTACTING THE SURFACE TO BE DEPOSITED IN THE ELECTROLYTE (12) OF THE ELECTROLYTIC CELL, PREFERABLY AT LEAST PARTIALLY PROVIDING PREFERABLY ELECTRICAL CONTACT WITH A SEED LAYER (5) OF THE SOLAR CELL (1), AND PREFERABLY SIMULTANEOUSLY SUPPORTING THE SOLAR CELL (1).

No. of Pages : 50 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8579/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A TOUCH SENSITIVE FILM AND A TOUCH SENSING DEVICE

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :H04N              |
| (31) Priority Document No                     | :20105216          |
| (32) Priority Date                            | :05/03/2010        |
| (33) Name of priority country                 | :Finland           |
| (86) International Application No             | :PCT/FI2011/050197 |
| Filing Date                                   | :07/03/2011        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

**1)Canatu Oy**

Address of Applicant :Konalankuja 5 00390 Helsinki Finland

(72)Name of Inventor :

**1)Björn Friður Mikladal**

**2)David P. Brown**

**3)Bradley J. Aitchison**

(57) Abstract :

A CAPACITIVE TOUCH SENSITIVE FILM (1) COMPRISES A CONDUCTIVE LAYER (3) HAVING A SENSING REGION (13). ACCORDING TO THE PRESENT INVENTION, THE SHEET RESISTANCE OF THE CONDUCTIVE LAYER (3) IN THE SENSING REGION (13) IS HIGHER THAN OR EQUAL TO 3 KO.

No. of Pages : 49 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8580/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ABNORMALITY DIAGNOSTIC DEVICE AND METHOD OF CELL BALANCING CIRCUITS

(51) International classification :A61B  
(31) Priority Document No :10-2010-0019924  
(32) Priority Date :05/03/2010  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/005583  
Filing Date :23/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)LG CHEM LTD.**

Address of Applicant :20 Yoido-dong Youngdungpo-gu  
Seoul 150-721 Republic of Korea

(72)Name of Inventor :

**1)LEE Sang-Hoon**

**2)LEE Dal-Hoon**

**3)KANG Ju-Hyun**

**4)KIM Jee-Ho**

(57) Abstract :

THE PRESENT INVENTION PROVIDES AN ABNORMALITY DIAGNOSTIC DEVICE AND METHOD OF CELL BALANCING CIRCUITS. ACCORDING TO THE PRESENT INVENTION, THE ABNORMALITY DIAGNOSTIC DEVICE OF THE CELL BALANCING CIRCUITS COMPRISES: A PLURALITY OF CELL BALANCING CIRCUITS WHICH ARE CONNECTED WITH EACH BATTERY CELL IN ORDER TO BALANCE VOLTAGES OF THE PLURALITY OF BATTERY CELLS INCLUDED IN A BATTERY PACK; DIAGNOSTIC RESISTORS WHICH ARE RESPECTIVELY INSTALLED BETWEEN POSITIVE TERMINALS AND NEGATIVE TERMINALS OF THE BATTERY CELLS CORRESPONDING TO THE CELL BALANCING CIRCUITS; A VOLTAGE MEASURER WHICH MEASURES VOLTAGE DIFFERENCES OF THE CELL BALANCING CIRCUITS CORRESPONDING TO EACH BATTERY CELL; AND A CONTROLLER WHICH TURNS ON OR TURNS OFF A CELL BALANCING CIRCUIT THAT IS THE TARGET OF DIAGNOSIS, AND DETERMINES WHETHER THE CELL BALANCING CIRCUIT THAT IS THE TARGET OF DIAGNOSIS IS ABNORMAL, FROM CHANGE PATTERNS FOR THE VOLTAGE DIFFERENCES OF THE ADJACENT CELL BALANCING CIRCUITS MEASURED THROUGH THE VOLTAGE MEASURER.

No. of Pages : 44 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8581/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD FOR THE PRODUCTION OF A CONFORMAL ELEMENT, A CONFORMAL ELEMENT AND USES OF THE SAME

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :H02J              |
| (31) Priority Document No                     | :20105216          |
| (32) Priority Date                            | :05/03/2010        |
| (33) Name of priority country                 | :Finland           |
| (86) International Application No             | :PCT/FI2011/050196 |
| Filing Date                                   | :07/03/2011        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

**1)Canatu Oy**

Address of Applicant :Konalankuja 5 00390 Helsinki Finland

(72)Name of Inventor :

**1)David P. Brown**

(57) Abstract :

THE INVENTION RELATES TO A METHOD FOR THE PRODUCTION OF AN AT LEAST PARTIALLY ELECTRICALLY CONDUCTIVE OR SEMI-CONDUCTIVE ELEMENT ON A STRUCTURE, WHEREIN THE ELEMENT COMPRISES ONE OR MORE LAYERS, THE METHOD COMPRISING THE STEPS OF A) FORMING A FORMABLE ELEMENT COMPRISING ONE OR MORE LAYERS, WHEREIN AT LEAST ONE LAYER COMPRISES A NETWORK OF HIGH ASPECT RATIO MOLECULAR STRUCTURES (HARM-STRUCTURES), WHEREIN THE HARM-STRUCTURES ARE ELECTRICALLY CONDUCTIVE OR SEMI-CONDUCTIVE, AND B) ARRANGING THE FORMABLE ELEMENT IN A CONFORMAL MANNER ONTO A STRUCTURE BY PRESSING AND/OR VACUUM SEALING THE FORMABLE ELEMENT ON A THREE-DIMENSIONAL SURFACE OF THE STRUCTURE, FOR PRODUCING A CONFORMAL AND AT LEAST PARTIALLY ELECTRICALLY CONDUCTIVE OR SEMI-CONDUCTIVE ELEMENT COMPRISING ONE OR MORE LAYERS, WHEREIN AT LEAST ONE LAYER COMPRISES A NETWORK OF HARM-STRUCTURES, ON THE THREE DIMENSIONAL SURFACE OF THE STRUCTURE. FURTHER, THE INVENTION RELATES TO A CONFORMAL ELEMENT AND USES THEREOF.

No. of Pages : 37 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION  
(19) INDIA

(21) Application No.3214/DEL/2012 A

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHODS FOR ADJUSTING A RELATIVE NAVIGATION SYSTEM.

|                                               |             |                                                  |
|-----------------------------------------------|-------------|--------------------------------------------------|
| (51) International classification             | :H04N       | (71) <b>Name of Applicant :</b>                  |
| (31) Priority Document No                     | :13/286,710 | <b>1)GE AVIATION SYSTEMS LLC</b>                 |
| (32) Priority Date                            | :01/11/2011 | Address of Applicant :3290 PATTERSON AVENUE, SE  |
| (33) Name of priority country                 | :U.S.A.     | GRAND RAPIDS, MICHIGAN 49512-1991, UNITED STATES |
| (86) International Application No             | :NA         | OF AMERICA.                                      |
| Filing Date                                   | :NA         | (72) <b>Name of Inventor :</b>                   |
| (87) International Publication No             | : NA        | <b>1)FELDMANN, MICHAEL STEVEN</b>                |
| (61) Patent of Addition to Application Number | :NA         | <b>2)SAGGIO III, FRANK</b>                       |
| Filing Date                                   | :NA         | <b>3)WASHBURN, JOHN ROBERT</b>                   |
| (62) Divisional to Application Number         | :NA         |                                                  |
| Filing Date                                   | :NA         |                                                  |

(57) Abstract :

A relative navigation system projects a grid (20,30) into space from a grid generator (10) and an object, such as an unmanned aerial vehicle (18), may use the gm projected grid (20,30) to aid in the landing of the object. Methods of adjusting the projected grid including stabilizing the projected grid (20,30) and orienting the grid generator (10) relative to the earth.

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4063/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :08/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A crystalline 2-(6-Methyl-pyridin-2-yl)-3-[6-amido-quinolin-4-yl]-5 6-dihydro- 4H- pyrrolo [ 1 2-b] pyrazole monohydrate

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :C07D              |
| (31) Priority Document No                     | :60/701,641        |
| (32) Priority Date                            | :27/05/2007        |
| (33) Name of priority country                 | :U.S.A.            |
| (86) International Application No             | :PCT/US2006/025377 |
| Filing Date                                   | :29/06/2006        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :110/DELNP/2008    |
| Filed on                                      | :04/01/2008        |

(71)Name of Applicant :

**1)ELI LILLY AND COMPANY**

Address of Applicant :Lilly Corporate Center Indianapolis IN  
46285 UNITED STATES OF AMERICA.

(72)Name of Inventor :

**1)MUNDLA Sreenivasa Reddy**

(57) Abstract :

A crystalline 2-(6-Methyl-pyridin-2-yl)-3-[6-amido-quinolin-4-yl]-5 6-dihydro- 4Hpyrrolo [ 1 2-b] pyrazole monohydrate of formula 1

No. of Pages : 20 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8610/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : LUBRICATING OIL SUPPLY FACILITY AND LUBRICATING OIL SUPPLY METHOD

(51) International classification :A47J  
(31) Priority Document No :2010-088371  
(32) Priority Date :07/04/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/059124  
Filing Date :06/04/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)NIPPON STEEL CORPORATION**  
Address of Applicant :6-1 Marunouchi 2-chome Chiyoda-ku  
Tokyo 1008071 Japan  
(72)Name of Inventor :  
**1)TSUYOSHI INOUE**  
**2)YASUYUKI MURAMATSU**

(57) Abstract :

Equipment for supplying lubricant for a rolling mill 20 of a rolling mill of a flat shaped metal material M comprises a plurality of spray nozzles 1a and 1b which spray a lubricant toward a rolling roll together with a gas in a particulate or atomized state, a lubricant feed device 2, 3, and 4 which feeds the spray nozzles a lubricant, and a gas feed device 5 and 6 which feeds the spray nozzles a gas. In the present invention, the amount of lubricant supplied from the side spray nozzles among the spray nozzles are made larger than the lubricant feed rate from the center spray nozzle. Further, the amount of lubricant supplied from the spray nozzles between these side spray nozzles and center spray nozzle are made not more than the amount of lubricant supplied from the side spray nozzles and not less than the lubricant feed rate from the center spray nozzle. Due to this, uneven wear and roughness is kept from occurring at the rolling roll in the axial direction of the rolling roll.

No. of Pages : 49 No. of Claims : 16



(12) PATENT APPLICATION PUBLICATION

(21) Application No.8612/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : FERRITE HEAT-RESISTANT CAST STEEL HAVING EXCELLENT NORMAL-TEMPERATURE TOUGHNESS AND EXHAUST SYSTEM COMPONENT FORMED FROM THE SAME

(51) International classification :C22C  
(31) Priority Document No :2010-081710  
(32) Priority Date :31/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/058331  
Filing Date :31/03/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)HITACHI METALS LTD.**  
Address of Applicant :2-1 Shibaura 1-chome Minato-ku  
Tokyo 1058614 Japan  
(72)Name of Inventor :  
**1)MASAHIDE KAWABATA**

(57) Abstract :

A heat-resistant, ferritic cast steel having excellent room-temperature toughness, which has a composition comprising by mass 0.32-0.48% of C, 0.85% or less of Si, 2% or less of Mn, 1.5% or less of Ni, 16.19-5% of Cr, 3.2-5% of Nb, Nb/C being 9=11.5, 0.15% or less of N, 0.002=0.2% of S, and 0.8% or less in total of W and/or Mo, the balance being Fe and inevitable impurities, and a structure in which a eutectic (6 + C) phase formed from a 6 phase and Nb carbide (NbC) has an area ratio of 60@90%, and an exhaust member made thereof.

No. of Pages : 32 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3168/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : APPARATUS FOR FRACTURING AND METHOD FOR PRODUCING FRACTURED FRAGMENTS

|                                               |              |
|-----------------------------------------------|--------------|
| (51) International classification             | :B68F        |
| (31) Priority Document No                     | :2011-231975 |
| (32) Priority Date                            | :21/10/2011  |
| (33) Name of priority country                 | :Japan       |
| (86) International Application No             | :NA          |
| Filing Date                                   | :NA          |
| (87) International Publication No             | : NA         |
| (61) Patent of Addition to Application Number | :NA          |
| Filing Date                                   | :NA          |
| (62) Divisional to Application Number         | :NA          |
| Filing Date                                   | :NA          |

(71)Name of Applicant :

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(72)Name of Inventor :

**1)SATO, MOTOKI**

**2)TADA, RYUSUKE**

(57) Abstract :

An apparatus for fracturing in which: a fracturing tooth is formed so that a base-end portion has a larger diameter than that of a top-end portion, and a tapered part is formed at the base-end portion so as to expand from the top toward the base; a fixing cover is formed along a longitudinal direction of rolls; in the fixing cover, fixing holes for fracturing teeth are formed along the longitudinal direction so that the fracturing tooth is inserted therein; each of the fixing holes has a slope in which the tapered part is in contact at a surface; a fracturing teeth unit is fixed to the roll in a state in which the top-end portion of the fracturing tooth is protruded from the fixing hole radially-outwardly of the roll and the tapered part is wedged between the slope of the fixing hole and the roll.

No. of Pages : 25 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3169/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : MODULAR INDEPENDENT SUSPENSION AND METHOD OF PRODUCING THE SAME

|                                               |             |
|-----------------------------------------------|-------------|
| (51) International classification             | :B60G       |
| (31) Priority Document No                     | :61/545,400 |
| (32) Priority Date                            | :10/10/2011 |
| (33) Name of priority country                 | :U.S.A.     |
| (86) International Application No             | :NA         |
| Filing Date                                   | :NA         |
| (87) International Publication No             | : NA        |
| (61) Patent of Addition to Application Number | :NA         |
| Filing Date                                   | :NA         |
| (62) Divisional to Application Number         | :NA         |
| Filing Date                                   | :NA         |

(71)**Name of Applicant :**  
**1)AXLETECH INTERNATIONAL IP HOLDINGS, LLC**  
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48083 USA.  
(72)**Name of Inventor :**  
**1)CORDIER GERARD**  
**2)CANTUERN LILIAN**  
**3)MELLA PHILIPPE**  
**4)COURVOISIER ALEXANDRE**

(57) Abstract :

A method of producing a modular independent suspension having portal wheel ends is disclosed herein. The method includes, but is not limited to, assembling a first flank component and a second flank component to opposite sides of a sub-frame configured to receive a carrier. The method further includes assembling a first upper control arm and a first lower control arm to the first flank component. The method further includes assembling a second upper control arm and a second lower control arm to the second flank component. The method further includes assembling a first portal wheel end to the first upper control arm and the first lower control arm. The method still further includes assembling a second portal wheel end to the second upper control arm and the second lower control arm.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3887/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD FOR IMPROVING THE EFFICIENCY OF HEAT TRANSFER IN A COAL FIRED FURNACE

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :C10L 9/12         |
| (31) Priority Document No                     | :61/267,712        |
| (32) Priority Date                            | :08/12/2009        |
| (33) Name of priority country                 | :U.S.A.            |
| (86) International Application No             | :PCT/US2010/058687 |
| Filing Date                                   | :02/12/2010        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

**1)BAKER HUGHES INCORPORATED**

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Houston TX 77019-2118 U.S.A.

(72)Name of Inventor :

**1)VERA T. VERDREE**

**2)LEONARD E. WALTHER**

(57) Abstract :

AN ADDITIVE HAVING AS COMPONENTS, AT LEAST THREE METAL OXIDES SELECTED FROM IRON, MANGANESE, COBALT, AND COPPER OXIDE, MAY BE ADDED TO COAL TO REDUCE THE BRIGHTNESS OF ASH PRODUCED THEREWITH. FURTHER, THE ADDITIVE SERVES TO INCREASE THE HEAT TRANSFER EFFICIENCY OF FURNACES.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3984/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : NUCLEIC ACID PROBES AND METHODS FOR DETECTING PLASMODIUM PARASITES

(51) International classification :C12Q  
(31) Priority Document No :12/608,152  
(32) Priority Date :29/10/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/054442  
Filing Date :28/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)JYOTSNA S. SHAH**  
**2)DANUTA WRONSKA**  
**3)HELENA WELTMAN**  
**4)NICK HARRIS**  
**5)SUZANNE SCHERINI-WARD**  
**6)OLIVA MARK**

(57) Abstract :

THIS INVENTION RELATES TO NOVEL NUCLEIC ACID-BASED PROBES AND METHODS FOR DETECTING PLASMODIUM PARASITES IN BIOLOGICAL SAMPLES AS WELL AS DETECTING DIFFERENT PLASMODIUM PARASITES SELECTIVELY FROM ONE ANOTHER.

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

(12) PATENT APPLICATION PUBLICATION  
(19) INDIA

(21) Application No.729/DEL/2009 A

(22) Date of filing of Application :09/04/2009

(43) Publication Date : 30/05/2014

(54) Title of the invention : QUIKCLOT

|                                               |                          |                                                             |
|-----------------------------------------------|--------------------------|-------------------------------------------------------------|
| (51) International classification             | :B01J29/06;<br>B01J29/00 | (71) <b>Name of Applicant :</b><br><b>1)SHANEEL K. JAIN</b> |
| (31) Priority Document No                     | :NA                      | Address of Applicant :PRAVEEN SINGH, PATENT AGENT           |
| (32) Priority Date                            | :NA                      | NO. IN/135636, JIA SARAI, NEW DELHI-16. India               |
| (33) Name of priority country                 | :NA                      | (72) <b>Name of Inventor :</b>                              |
| (86) International Application No             | :NA                      | <b>1)SHANEEL K. JAIN</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 utilize bio-inert molecular sieve materials as haemostatic agents, with or without binders in a sterilized form to arrest bleeding by applying the material directly or indirectly within bandages or other carriers to wounds wherein the molecular sieves ability to absorb blood fluids radically increases natural coagulant density at the wound surface so as to bring about rapid dotting.

No. of Pages : 5 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5528/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND AUTHENTICATION APPARATUS FOR AUTHENTICATING VALUE DOCUMENTS

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :G06Q 40/00        |
| (31) Priority Document No                     | :61/288597         |
| (32) Priority Date                            | :21/12/2009        |
| (33) Name of priority country                 | :U.S.A.            |
| (86) International Application No             | :PCT/US2010/061193 |
| Filing Date                                   | :20/12/2010        |
| (87) International Publication No             | :WO 2011/084724    |
| (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)HONEYWELL INTERNATIONAL INC.**

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(72)Name of Inventor :

**1)RAPOPORT William Ross**

**2)KANE James**

**3)LAU Carsten**

(57) Abstract :

Taggants can be incorporated into or onto value documents. The taggants comprise a crystalline taggant doped with two rare earth ions. The substrate or printed matter into which the taggant can be incorporated has a minimal absorption infrared wavelength window and the taggant is excited by incident infrared radiation in this wavelength range. Suitable first rare earth ions function as efficient broad band absorbers of incident infrared radiation and passes energy non radiatively to a second rare earth ion which the emits infrared radiation at a wavelength greater than the incident infrared radiation. The emitted infrared radiation is also in the minimal absorption transmission window of the printed matter or the substrate into which the taggant is incorporated. Methods of authenticating the value document include detection of the emitted radiation at pre determined values.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3181/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : BELT FOR TRANSFERRING WET WEB

|                                               |              |
|-----------------------------------------------|--------------|
| (51) International classification             | :d21F        |
| (31) Priority Document No                     | :2011-236491 |
| (32) Priority Date                            | :12/10/2011  |
| (33) Name of priority country                 | :Japan       |
| (86) International Application No             | :NA          |
| Filing Date                                   | :NA          |
| (87) International Publication No             | : NA         |
| (61) Patent of Addition to Application Number | :NA          |
| Filing Date                                   | :NA          |
| (62) Divisional to Application Number         | :NA          |
| Filing Date                                   | :NA          |

(71)Name of Applicant :

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Tokyo-to JAPAN

(72)Name of Inventor :

**1)Kenji INOUE**

**2)Ryo UMEHARA**

**3)Ai TAMURA**

**4)Toshihiro TSUJI**

(57) Abstract :

Provided is a belt for transferring a wet web wherein any water mark does not appear on made paper even when a rate of feeding the belt for transferring a wet web by a roll is high. The roll side layer surface of the belt for transferring a wet web has the surface structure in which the percentage of a contact area with the roll per unit area is 10% to 75% and a surface roughness Ra is 50-150 μm.

No. of Pages : 40 No. of Claims : 6



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2026/DEL/2009 A

(19) INDIA

(22) Date of filing of Application :25/09/2009

(43) Publication Date : 30/05/2014

(54) Title of the invention : A NOVEL WRITING AID

|                                               |                |                                                                                                 |
|-----------------------------------------------|----------------|-------------------------------------------------------------------------------------------------|
| (51) International classification             | :B43K<br>21/00 | (71) <b>Name of Applicant :</b><br><b>1)COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL<br/>RESEARCH</b> |
| (31) Priority Document No                     | :NA            | Address of Applicant :ANUSANDHAN BHAWAN, RAFI                                                   |
| (32) Priority Date                            | :NA            | MARG, NEW DELHI-110 001, INDIA.                                                                 |
| (33) Name of priority country                 | :NA            | (72) <b>Name of Inventor :</b>                                                                  |
| (86) International Application No             | :NA            | <b>1)NEHA LALIT SHARMA</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 :

The present invention provides a novel writing aid which is directed to the infirm who find writing difficult, including senior citizens afflicted with any disease or injury limiting their ability to write, or those having physical impairment specifically that of the digits of the hand involved in writing process, or those who have either lost any of the digits of hand including thumb or have them missing, or the professionals and students whose writing for a long period of time results in fatigue of the digits and hand, and the likes. The present invention comprises of a base that allows one of the fingers of the wearer to rest and two sets of three rings each attached onto it for securing the finger and the writing implement, respectively. It has a base and replaceable rings that can be replaced according to the size of the wearers finger and the writing implement used.

No. of Pages : 17 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2701/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :28/03/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SPARK PLUG

(51) International classification :C22C19/05,H01T13/39  
(31) Priority Document No :2009292950  
(32) Priority Date :24/12/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/006146  
Filing Date :15/10/2010  
(87) International Publication No :WO 2011/077619  
(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)SHIBATA Tsutomu**

**2)KUNO Takehito**

**3)TANAKA Tomo o**

**4)NUNOME Kenji**

**5)NAGATOMO Shoichiro**

(57) Abstract :

Disclosed is a spark plug which comprises a center electrode and/or a ground electrode that is capable of suppressing generation of an emergent corrosive material while maintaining high thermal conductivity and high strength. Specifically disclosed is a spark plug which comprises a center electrode and a ground electrode that is arranged at a distance from the center electrode and wherein the center electrode and/or the ground electrode is formed from an electrode material that contains not less than 96% by mass of Ni. The spark plug is characterized in that the electrode material contains at least one element selected from the group consisting of Y and rare earth elements in an amount of 0.05 0.45% by mass (inclusive) in total Mn in an amount of 0.05% by mass or more and at least one element selected from the group consisting of Ti V and Nb in an amount of 0.01% by mass or more while having a ratio of the total content (a) of Ti V and Nb to the Mn content (b) namely a/b of 0.02 0.40 (inclusive).

No. of Pages : 48 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2959/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMINOTHIADIAZINE DIOXIDE COMPOUNDS AS BACE INHIBITORS&NBSP;  
COMPOSITIONS&NBSP; AND THEIR USE

(51) International classification :A61K 31/54  
(31) Priority Document No :61/249,685  
(32) Priority Date :08/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/051553  
Filing Date :06/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)SCOTT Jack D.**  
**2)STAMFORD Andrew W.**  
**3)GILBERT Eric J.**  
**4)CUMMING Jared N.**  
**5)ISERLOH Ulrich**  
**6)MISIASZEK Jeffrey A.**  
**7)LI Guoqing**

(57) Abstract :

In its many embodiments, the present invention provides provides certain iminothiadiazine dioxide compounds, including compounds Formula (I): HN C SO<sub>2</sub> N NH R<sub>1</sub> R<sub>3</sub> L<sub>1</sub> L<sub>2</sub> R<sub>2</sub> R<sub>4</sub> R<sub>9</sub> L<sub>3</sub> A p B R<sub>5</sub> m n (I) and include stereoisomers thereof, and pharmaceutically acceptable salts of said compounds stereoisomers, wherein each of R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>9</sub>, ring A, ring B, m, n, p, -L<sub>1</sub>-,L<sub>2</sub>-, and L<sub>3</sub>- is selected independently and as defined herein. The novel iminothiadiazine dioxide compounds of the invention have surprisingly been found to exhibit properties which are expected to render them advantageous as BACE inhibitors and/or for the treatment and prevention of various pathologies related to  $\beta$ -amyloid ( $\beta$  A $\beta$ ) production. Pharmaceutical compositions comprising one or more such compounds (alone and in combination with one or more other active agents), and methods for their preparation and use in treating pathologies associated with amyloid beta (A $\beta$ ) protein, including Alzheimer<sup>TM</sup>s disease, are also disclosed.

No. of Pages : 220 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4020/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :07/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMMERSION TIN SILVER PLATING IN ELECTRONICS MANUFACTURE

(51) International classification :C23C  
(31) Priority Document No :12/607,375  
(32) Priority Date :28/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/054413  
Filing Date :28/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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**1)YUNG-HERNG YAU**  
**2)XINGPING WANG**  
**3)CAI WANG**  
**4)ROBERT FARRELL**  
**5)PINGPING YE**  
**6)EDWARD J. KUDRAK JR.**  
**7)KARL F. WENGENROTH**

(57) Abstract :

A METHOD IS PROVIDED FOR DEPOSITING A WHISKER RESISTANT TIN-BASED COATING LAYER ON A SURFACE OF A COPPER SUBSTRATE. THE METHOD IS USEFUL FOR PREPARING AN ARTICLE COMPRISING A COPPER SUBSTRATE HAVING A SURFACE; AND A TIN-BASED COATING LAYER ON THE SURFACE OF THE SUBSTRATE, WHEREIN THE TIN-BASED COATING LAYER HAS A THICKNESS BETWEEN 0.5 MICROMETERS AND 1.5 MICROMETERS AND HAS A RESISTANCE TO FORMATION OF COPPER-TIN INTERMETALLICS, WHEREIN SAID RESISTANCE TO FORMATION OF COPPER-TIN INTERMETALLICS IS CHARACTERIZED IN THAT, UPON EXPOSURE OF THE ARTICLE TO AT LEAST SEVEN HEATING AND COOLING CYCLES IN WHICH EACH CYCLE COMPRISES SUBJECTING THE ARTICLE TO A TEMPERATURE OF AT LEAST 217°C FOLLOWED BY COOLING TO A TEMPERATURE BETWEEN ABOUT 20°C AND ABOUT 28°C, THERE REMAINS A REGION OF THE TIN COATING LAYER THAT IS FREE OF COPPER THAT IS AT LEAST 0.25 MICROMETERS THICK.

No. of Pages : 52 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/05/2012

(21) Application No.3841/DELNP/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : DISPERSE AZO DYES A PROCESS FOR THE PREPARATION THEREOF AND THE USE THEREOF

(51) International classification :C09B  
(31) Priority Document No :09179457.8  
(32) Priority Date :16/12/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/067436  
Filing Date :15/11/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)HUNTSMAN ADVANCED MATERIALS (SWITZERLAND) GMBH**  
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(72)Name of Inventor :  
**1)RALF PETERMANN**  
**2)URS LAUK**  
**3)KEVIN MURER**  
**4)CHRISTIAN SUPPIGER**

(57) Abstract :

THE PRESENT INVENTION RELATES TO DYES OF FORMULA (1), WHEREIN EITHER A IS -CO- AND Q IS -SO<sub>2</sub>- OR A IS -SO<sub>2</sub>- AND Q IS -CO-, R<sub>1</sub> DENOTES C<sub>1</sub>-C<sub>6</sub>ALKYL, BENZYL, ALLYL, -CNH<sub>2</sub>N-COOR OR -CNH<sub>2</sub>N-CN, WHEREIN N IS A NUMBER FROM 1 TO 3 AND R REPRESENTS HYDROGEN OR C<sub>1</sub>-C<sub>6</sub>ALKYL; X IS NITRO, CYANO OR HALOGEN; Y IS HYDROGEN, NITRO, CYANO OR HALOGEN, AND K IS THE RADICAL OF A COUPLING COMPONENT OF THE BENZENE, NAPHTHALENE, PYRAZOLONE; 6-HYDROXYPYRIDONE-(2) OR ACETOACETIC ACID ARYLAMIDE SERIES, AND TO THE PROCESS FOR THE PREPARATION THEREOF AND TO THE USE THEREOF IN DYEING OR PRINTING SEMI-SYNTHETIC AND ESPECIALLY SYNTHETIC HYDROPHOBIC FIBRE MATERIALS, MORE ESPECIALLY TEXTILE MATERIALS.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3842/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : FLAME RETARDANT FABRIC FOR PROTECTIVE CLOTHING

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :D03D 15/12        |
| (31) Priority Document No                     | :A 1731/2009       |
| (32) Priority Date                            | :02/11/2009        |
| (33) Name of priority country                 | :Austria           |
| (86) International Application No             | :PCT/AT2010/000397 |
| Filing Date                                   | :20/10/2010        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

**1)LENZING AG**

Address of Applicant :Werkstrasse 2 A-4860 Lenzing Austria

(72)Name of Inventor :

**1)ALEXANDER GSTETTNER**

**2)TOM BURROW**

**3)ULF MATHES**

(57) Abstract :

THE PRODUCT OF THE INVENTION IS A FLAME RETARDANT FABRIC FOR USE IN PERSONAL PROTECTIVE CLOTHING WHICH PROVIDES A HIGH LEVEL OF PROTECTION FROM FLAMES OR OTHER SOURCES OF HEAT CHARACTERIZED IN THAT IT IS MADE FROM A MIXTURE OF A PRIMARY YARN WHICH IS A BLEND OF FR CELLULOSIC FIBRES WITH HIGH TEMPERATURE RESISTANT POLYMER FIBRES AND A SECONDARY YARN WHICH IS A TWISTED YARN CONTAINING A CONTINUOUS SYNTHETIC FILAMENT YARN.

No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8614/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : FRAME STRUCTURE FOR SADDLED VEHICLE

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :B62K              |
| (31) Priority Document No                     | :2010-077888       |
| (32) Priority Date                            | :30/03/2010        |
| (33) Name of priority country                 | :Japan             |
| (86) International Application No             | :PCT/JP2011/001147 |
| Filing Date                                   | :28/02/2011        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

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Address of Applicant :1-1 Minami-Aoyama 2-chome Minato-ku Tokyo 1078556 Japan

(72)Name of Inventor :

**1)KAZUTOYO YASUDA**

**2)KEISUKE KISHIKAWA**

(57) Abstract :

A frame structure of a saddle type vehicle that can easily secure the bending strength of welded portions by a structure that seat rails are welded to rear portions of pivot frames, etc. is provided. Elongated holes 71A extending along an axis L of a front portion 15F of the seat rail is provided to a side surface of the pivot frame 14, and the pivot frame 14 and the front portion 15F of the seat rail are welded to each other at the peripheral edge of the elongated hole 71A.

No. of Pages : 52 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.8615/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : TRANSVERSE CONNECTION SYSTEM AND DEVICE FOR THE VERTEBRAL COLUMN

(51) International classification :H02J  
(31) Priority Document No :10/01,489  
(32) Priority Date :08/04/2010  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2011/000200  
Filing Date :05/04/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)IMPLANET**

Address of Applicant :Societe Anonyme Allee F. Magendie  
Technopole Bordeaux - Montesquieu F-33650 Martillac France

(72)Name of Inventor :

**1)REGIS LE COUEDIC**

**2)CHRISTIAN BACCELLI**

(57) Abstract :

THE INVENTION RELATES TO A CONNECTION SYSTEM (3, 12, 13) BETWEEN TWO LONGITUDINAL CYLINDRICAL SPINAL SUPPORT RODS (4), SAID CONNECTION SYSTEM COMPRISING AT LEAST ONE TRANSVERSE ELONGATE ELEMENT (6, 14) HAVING, ON EACH END THEREOF, A HEAD (7, 8; 17, 18; 43) FOR ATTACHING ONTO A CORRESPONDING ROD. AT LEAST ONE OF SAID ATTACHMENT HEADS (7, 8; 17, 18) INCLUDES A SEMI-CYLINDRICAL RECESS (19) FOR CLIPPING WITH THE ROD (4), SAID RECESS HAVING AN UPPER LIP (20, 21), COVERING THE BOTTOM OF THE ROD, AND A LOWER LIP (22, 23), THAT IS RADIALLY OPPOSITE SAID UPPER LIP, AND THE HEAD COMPRISES A MEANS (11, 24) FOR BENDING SAID LOWER LIP (22, 23) BETWEEN A POSITION FOR CONNECTING AND A POSITION FOR LOCKING ONTO THE ROD.

No. of Pages : 17 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3836/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :01/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CATALYST COMPONENT FOR OLEFIN POLYMERIZATION AND CATALYST COMPRISING THE SAME

|                                               |                    |                                                                                          |
|-----------------------------------------------|--------------------|------------------------------------------------------------------------------------------|
|                                               |                    | (71)Name of Applicant :                                                                  |
|                                               |                    | 1)CHINA PETROLEUM & CHEMICAL CORPORATION                                                 |
|                                               |                    | Address of Applicant :22A Chaoyangmenbei Street Chaoyang District Beijing 100728 China   |
|                                               |                    | 2)BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSRTY CHINA PETROLEUM & CHEMICAL CORPORATION |
|                                               |                    | (72)Name of Inventor :                                                                   |
|                                               |                    | 1)LI Weili                                                                               |
|                                               |                    | 2)XIA Xianzhi                                                                            |
|                                               |                    | 3)LIU Yuexiang                                                                           |
|                                               |                    | 4)ZHANG Jigui                                                                            |
|                                               |                    | 5)QIAO Suzhen                                                                            |
|                                               |                    | 6)ZHAO Jin                                                                               |
|                                               |                    | 7)GAO Ping                                                                               |
|                                               |                    | 8)WANG Xinsheng                                                                          |
|                                               |                    | 9)TAN Yang                                                                               |
|                                               |                    | 10)ZHANG Zhihui                                                                          |
|                                               |                    | 11)YANG Linna                                                                            |
|                                               |                    | 12)DUAN Ruilin                                                                           |
|                                               |                    | 13)PENG Renqi                                                                            |
| (51) International classification             | :C08F              |                                                                                          |
| (31) Priority Document No                     | :200910235562.3    |                                                                                          |
| (32) Priority Date                            | :16/10/2009        |                                                                                          |
| (33) Name of priority country                 | :China             |                                                                                          |
| (86) International Application No             | :PCT/CN2010/001631 |                                                                                          |
| Filing Date                                   | :18/10/2010        |                                                                                          |
| (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 catalyst component for olefin polymerization is disclosed which comprises a reaction product of the following components: (1) a spheric carrier; (2) a titanium compound; and optionally (3) an electron donor wherein the spheric carrier comprises a reaction product of at least the following components: (a) a magnesium halide represented by a general formula of  $MgX_{2-n}R_n$  wherein X is independently chloride or bromide R is a C1-C14 alkyl a C6-C14 aryl a C1-C14 alkoxy or a C6-C14 aryloxy and n is 0 or 1; (b) an alcohol compound; and (c) an epoxy compound represented by a general formula (I) wherein R2 and R3 are independently hydrogen a C1-C5 linear or branched alkyl .....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3932/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : STABLE SUB-MICRON TITANIA SOLS

|                                               |                    |
|-----------------------------------------------|--------------------|
| (51) International classification             | :C01G              |
| (31) Priority Document No                     | :12/618,484        |
| (32) Priority Date                            | :13/11/2009        |
| (33) Name of priority country                 | :U.S.A.            |
| (86) International Application No             | :PCT/US2010/051810 |
| Filing Date                                   | :07/10/2010        |
| (87) International Publication No             | : NA               |
| (61) Patent of Addition to Application Number | :NA                |
| Filing Date                                   | :NA                |
| (62) Divisional to Application Number         | :NA                |
| Filing Date                                   | :NA                |

(71)Name of Applicant :

**1)Millennium Inorganic Chemicals Inc.**

Address of Applicant :20 Wight Avenue Suite 100 Hunt Valley MD 21030 United States of America

(72)Name of Inventor :

**1)CHAPMAN David Monroe**

(57) Abstract :

THE PRESENT INVENTION IS DIRECTED TO COMPOSITIONS AND PROCESSES FOR THE PRODUCTION OF STABLE, ALKALINE, HIGH SOLIDS, LOW VISCOSITY, LOW SURFACE TENSION, LOW FLAMMABILITY, SUB-MICRON TITANIA SOLS THAT HAVE MINIMAL OFFENSIVE ODOR AND METHODS OF THEIR USE. COMPOSITIONS OF THE PRESENT INVENTION INCLUDE, FOR EXAMPLE, MIXTURES OF STRONG AND WEAK ORGANIC BASES USED AS DISPERSANTS TO STABILIZE THE TITANIA SOLS. THE DISPERSANT MIXTURES HAVE BEEN FOUND TO RESULT IN RELATIVELY HIGH TITANIA SOLIDS CONTENT, LOW SURFACE TENSION, LOW VISCOSITY SUSPENSIONS THAT ARE LOW IN FLAMMABILITY. SOLS PRODUCED ACCORDING TO THE PRESENT INVENTION CAN BE USED, FOR EXAMPLE, IN CATALYTIC APPLICATIONS SUCH AS CATALYST SUPPORTS FOR DIESEL EMISSION CONTROL, OR IN POLLUTANT PHOTOCATALYST APPLICATIONS IN WHICH IT IS DESIRABLE TO HAVE THE TITANIA IN SOL FORM.

No. of Pages : 23 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3935/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR PRODUCING A POLYURETHANE FOAM BY MEANS OF A SUPERCRITICAL OR NEAR-CRITICAL PROPELLANT

(51) International classification :C08G  
(31) Priority Document No :102009053218.8  
(32) Priority Date :06/11/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/066744  
Filing Date :03/11/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)BAYER MATERIALSCIENCE AG**  
Address of Applicant :51368 Leverkusen Germany  
(72)Name of Inventor :  
**1)STEFAN LINDNER**  
**2)WOLFGANG FRIEDERICH**  
**3)REINHARD STREY**  
**4)THOMAS SOTTMANN**  
**5)ELENA KHAZOVA**  
**6)LORENZ KRAMER**  
**7)VERENA DAHL**  
**8)AGNES CHALBI**

(57) Abstract :

THE PRESENT INVENTION RELATES TO A METHOD FOR PRODUCING A POLYURETHANE FOAM, WHEREIN THE PROPELLANT USED IS PRESENT IN THE SUPERCRITICAL OR NEAR-CRITICAL STATE. A REACTION MIXTURE IS INTRODUCED INTO A CLOSED MOLD, WHEREIN THE CLOSED MOLD IS SET UP SUCH THAT THE INNER VOLUME THEREOF AND/OR THE PRESSURE IN THE INTERIOR THEREOF CAN BE CHANGED BY EXTERNAL EFFECTS AFTER INTRODUCING THE MIXTURE. BY SELECTING THE SURFACTANT, MICROEMULSIONS OF THE PROPELLANT CAN BE OBTAINED IN THE POLYOL PHASE. THE INVENTION FURTHER RELATES TO A NANOCELLULAR POLYURETHANE FOAM THAT CAN BE OBTAINED BY MEANS OF THE METHOD ACCORDING TO THE INVENTION.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1012/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :30/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : A WASTE HEAT RECOVERY SYSTEM FOR DUST LADEN FLUE GASES USING REPOSE FLOW DESIGN

|                                               |                            |                                                                                |
|-----------------------------------------------|----------------------------|--------------------------------------------------------------------------------|
| (51) International classification             | :F28G<br>1/00,<br>F22B1/00 | (71)Name of Applicant :<br><b>1)TRANSPARENT ENERGY SYSTEMS PRIVATE LIMITED</b> |
| (31) Priority Document No                     | :NA                        | Address of Applicant :PUSHPA HEIGHTS, 1ST FLOOR,                               |
| (32) Priority Date                            | :NA                        | BIBWEWADI CORNER, PUNE-SATARA ROAD, PUNE- 411                                  |
| (33) Name of priority country                 | :NA                        | 037, MAHARASHTRA, INDIA.                                                       |
| (86) International Application No             | :NA                        | (72)Name of Inventor :                                                         |
| Filing Date                                   | :NA                        | <b>1)ATRE ASHOK DATTATRAYA</b>                                                 |
| (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 waste heat recovery system for dust laden flue gases comprises a heat recovery heat exchanger of vertical body with top and bottom casing ends; in the top portion of the said the heat exchanger a evaporator is formed with multiple numbers of inclined tubes arranged in parallel in one row , the inclined tubes are connected to headers on both ends, which forms a cassette of the tubes and number of such cassettes arranged over one another to form a heat recovery section; in the bottom portion an economiser formed with multiple numbers of inclined tubes arranged in parallel in one row , the inclined tubes are connected to headers on both ends, which forms a cassette of the tubes and number of such cassettes arranged over one another to form a heat recovery section; the inclination of said tubes greater than the repose angle of the flue dust particle; a steam drum having its down comer connected to the bottom header of the evaporator and risers from evaporator are connected to steam drum; the inlet header of economiser section connected to water supply source; the outlet of economizer is connected to the steam drum; flue gas inlet provided on top end of the said heat exchanger and flue gas outlet provided at the bottom end of the said heat exchanger; and a Pulse jet air system provided at lower end of the said inclined tubes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1012/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :30/03/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A TURN-AND-TWIST TYPE ISOLATOR WITH TWO INSULATOR BUSHINGS, PER PHASE.

|                                               |           |                                                     |
|-----------------------------------------------|-----------|-----------------------------------------------------|
| (51) International classification             | :H01H9/08 | (71)Name of Applicant :                             |
| (31) Priority Document No                     | :NA       | <b>1)CROMPTON GREAVES LIMITED</b>                   |
| (32) Priority Date                            | :NA       | Address of Applicant :CG HOUSE, 6TH FLOOR, DR.ANNIE |
| (33) Name of priority country                 | :NA       | BESANT ROAD, WORLI, MUMBAI-400 030,                 |
| (86) International Application No             | :NA       | MAHARASHTRA, INDIA.                                 |
| Filing Date                                   | :NA       | (72)Name of Inventor :                              |
| (87) International Publication No             | :N/A      | <b>1)KAMBLE DEEPAK GAJANAN</b>                      |
| (61) Patent of Addition to Application Number | :NA       | <b>2)MORE SACHIN VASANT</b>                         |
| Filing Date                                   | :NA       |                                                     |
| (62) Divisional to Application Number         | :NA       |                                                     |
| Filing Date                                   | :NA       |                                                     |

(57) Abstract :

A turn-and-twist type isolator with two insulator bushings, per phase, said isolator comprises: a first insulator bushing and a second insulator bushing, per phase, said first insulator bushing being spaced apart from said second insulator bushing, said first insulator bushing being a fixed bushing, and said second insulator bushing being a rotatable bushing; fixed contact mounted on said first insulator bushing; and moving contact mounted on said second insulator bushing, said moving contact adapted to mate with said fixed contact for disconnection or isolation.

No. of Pages : 32 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1013/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :30/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : FULLY AUTOMATIC, WATER COOLED STEP GRATE FOR FIRING WIDE RANGE OF SOLID FUELS LIKE COAL, BIOMASS, AND WOOD ETC

|                                               |                         |                                                                                        |
|-----------------------------------------------|-------------------------|----------------------------------------------------------------------------------------|
| (51) International classification             | :F23H3/02,<br>F23G 5/05 | (71) <b>Name of Applicant :</b><br><b>1)TRANSPARENT ENERGY SYSTEMS PRIVATE LIMITED</b> |
| (31) Priority Document No                     | :NA                     | Address of Applicant :PUSHPA HEIGHTS, 1ST FLOOR,                                       |
| (32) Priority Date                            | :NA                     | BIBWEWADI CORNER, PUNE-SATARA ROAD, PUNE- 411                                          |
| (33) Name of priority country                 | :NA                     | 037, MAHARASHTRA, INDIA.                                                               |
| (86) International Application No             | :NA                     | (72) <b>Name of Inventor :</b>                                                         |
| Filing Date                                   | :NA                     | <b>1)ATRE ASHOK DATTATRAYA</b>                                                         |
| (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 :

Invention relates a fully automatic, water cooled step grate for firing wide range of solid fuels like coal, biomass, and wood etc. which comprises water cooled and upper end elevated membrane walled surface panel,(1) made of stepped flat welded to tube forming the grate surface, kept at required angle by elevating. The provision made for feeding fuel manually or rotary feeder from the said elevated end. A multi chambered grate air box (2) located below the said grate surface; an air pre-heater receiving air supply from the F.D. fan (4) connected to the said multi chambered grate air box. The said stepped flat of membrane paneled Grate fuel bed (1) is drilled at certain pitch on each horizontal step to provide air holes with a round back plate with central hole co-axially fitted, below the said step to the said air holes by tag weld keeping clearance between the said step surface and back plate, for the pre-heated air from Grate Air Box; an air hole drilled on the each of the vertical walls of the said step. The secondary combustion air supply means provided above said grate surface. A water hold up tank (5) provided to circulate water to the said membrane walled surface; and control means (6) provided to the said multi chambered grate air box.

No. of Pages : 23 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1917/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :03/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : INTERMESH PACKAGING CARTON

|                                               |                          |                                                                                                                                                                                                               |
|-----------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B65B59/00,<br>B65B 5/00 | (71) <b>Name of Applicant :</b><br><b>1)PARKSONS PACKAGING LTD.</b><br>Address of Applicant :GATE NO. 357/77,79,81, CHAKAN-<br>TALEGAON ROAD, KHARABWADI, TAL: KHED, CHAKAN,<br>PUNE-410501 Maharashtra India |
| (31) Priority Document No                     | :NA                      | (72) <b>Name of Inventor :</b>                                                                                                                                                                                |
| (32) Priority Date                            | :NA                      | <b>1)PULKESH P. GUNAICHA</b>                                                                                                                                                                                  |
| (33) Name of priority country                 | :NA                      | <b>2)SATYAM DUBEY</b>                                                                                                                                                                                         |
| (86) International Application No             | :NA                      | <b>3)MINAL B.WANKHADE</b>                                                                                                                                                                                     |
| Filing Date                                   | :NA                      |                                                                                                                                                                                                               |
| (87) International Publication No             | :N/A                     |                                                                                                                                                                                                               |
| (61) Patent of Addition to Application Number | :NA                      |                                                                                                                                                                                                               |
| Filing Date                                   | :NA                      |                                                                                                                                                                                                               |
| (62) Divisional to Application Number         | :NA                      |                                                                                                                                                                                                               |
| Filing Date                                   | :NA                      |                                                                                                                                                                                                               |

(57) Abstract :

A packaging for boxes and containers is described. The packaging includes a first panel having a configuration having at least a preconfigured box positioned thereon and a sub panel that is contiguous to the preconfigured box. The packaging includes a second panel having a configuration that has at least a box positioned thereon and a sub panel that is contiguous to the preconfigured box. The configuration of the first panel and the second panel are complementary to each other and interlock to form a packaging for the preconfigured boxes. The packaging is created from a single blank sheet and the boxes that are packaged are also formed from the same blank sheet. The blank sheet forms box packaging for a box in a closed position and the sub panels provide display area for printed brand information in an open position.

No. of Pages : 22 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2126/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :25/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : LINGUAL ARCH CROSSBOW SPACE REGAINER

|                                               |                        |                                                                                                                                                     |
|-----------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61C7/00,<br>A61C7/06 | (71) <b>Name of Applicant :</b><br><b>1)Paul Chalakal</b><br>Address of Applicant :G-3 Akshata Cottage Hospital Road<br>Chicalim Goa - 403202 India |
| (31) Priority Document No                     | :NA                    | (72) <b>Name of Inventor :</b>                                                                                                                      |
| (32) Priority Date                            | :NA                    | <b>1)Paul Chalakal</b>                                                                                                                              |
| (33) Name of priority country                 | :NA                    | <b>2)Rajdeep Pavaskar</b>                                                                                                                           |
| (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 fixed orthodontic space regainer that may be used during the mixed dentition period in the mandibular arch. It is indicated in cases where the first primary molar (or first premolar) has migrated mesially into the canine space following early loss of the adjacent primary canine. The appliance termed as the "Lingual arch crossbow™" consists of a lingual arch, molar tubes, curved stainless steel wire and NiTi open coil springs. The appliance is cemented on to the mandibular permanent first molars. The curved wire along with NiTi open coil springs help in retracting the concerned tooth (first primary molar or first premolar) until the lost canine space is regained.

No. of Pages : 14 No. of Claims : 4



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2127/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :25/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PALATAL ARCH CROSSBOW SPACE REGAINER

|                                               |                        |                                                                                                                                                     |
|-----------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61C7/00,<br>A61C7/06 | (71) <b>Name of Applicant :</b><br><b>1)Paul Chalakal</b><br>Address of Applicant :G-3 Akshata Cottage Hospital Road<br>Chicalim Goa - 403202 India |
| (31) Priority Document No                     | :NA                    | (72) <b>Name of Inventor :</b>                                                                                                                      |
| (32) Priority Date                            | :NA                    | <b>1)Paul Chalakal</b>                                                                                                                              |
| (33) Name of priority country                 | :NA                    | <b>2)Rajdeep Pavaskar</b>                                                                                                                           |
| (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 fixed orthodontic space regainer that may be used during the mixed dentition period in the maxillary arch. It is indicated in cases where the first primary molar (or first premolar) has migrated mesially into the canine space following early loss of the adjacent primary canine. The appliance termed as the "Palatal arch crossbow™" consists of a palatal arch, molar tubes, curved stainless steel wire and NiTi open coil springs. The appliance is cemented on to the maxillary permanent first molars. The curved wire along with NiTi open coil springs help in retracting the concerned tooth (first primary molar or first premolar) until the lost canine space is regained.

No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2128/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :25/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : DOUBLE BANDED SPACE REGAINER

(51) International classification

:A61C7/00,  
A61C7/06

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)Paul Chalakal**

Address of Applicant :G-3 Akshata Cottage Hospital Road  
Chicalim Goa - 403202 India

(72)Name of Inventor :

**1)Paul Chalakal**

**2)Rajdeep Pavaskar**

(57) Abstract :

The present invention relates to a fixed orthodontic space regainer that may be used to generate space between two adjacent posterior teeth (molars or premolars) in the maxillary or mandibular arch. The appliance termed as the "Double banded space regainer™" consists of bands, molar tubes, stainless steel wires and NiTi open coil springs. Once cemented on to the concerned teeth, the NiTi open coil springs (active components) exert a pushing force on each tooth. This initiates orthodontic tooth movement, generating space between the teeth.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2039/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :14/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR PRODUCING VARIOUS VISCOSITY GRADES OF BITUMEN

|                                               |                          |                                                                                                                                                                       |
|-----------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C08L91/06,<br>C08L95/00 | (71)Name of Applicant :<br><b>1)Indian Oil Corporation Limited</b><br>Address of Applicant :G-9 Ali Yavar Jung Marg Bandra<br>(East) Mumbai-400 051 Maharashtra India |
| (31) Priority Document No                     | :NA                      | (72)Name of Inventor :                                                                                                                                                |
| (32) Priority Date                            | :NA                      | <b>1)RAMAN Naduhatty Selai</b>                                                                                                                                        |
| (33) Name of priority country                 | :NA                      | <b>2)MOHANASUNDARAM Palvannan</b>                                                                                                                                     |
| (86) International Application No             | :NA                      | <b>3)DEVOTTA Irudayaraj</b>                                                                                                                                           |
| Filing Date                                   | :NA                      | <b>4)SHARMA Kishan Chand</b>                                                                                                                                          |
| (87) International Publication No             | : NA                     | <b>5)KAGDIYAL Vivekanand</b>                                                                                                                                          |
| (61) Patent of Addition to Application Number | :NA                      | <b>6)SAXENA Deepak</b>                                                                                                                                                |
| Filing Date                                   | :NA                      | <b>7)KUMAR Brijesh</b>                                                                                                                                                |
| (62) Divisional to Application Number         | :NA                      | <b>8)GUPTA Anurag Ateet</b>                                                                                                                                           |
| Filing Date                                   | :NA                      | <b>9)RAJAGOPAL Santanam</b>                                                                                                                                           |
|                                               |                          | <b>10)MALHOTRA Ravinder Kumar</b>                                                                                                                                     |

(57) Abstract :

The present invention relates to an aromatic enriched deasphalted oil extract fraction for preparing bitumen. The present invention also relates to a process for preparing the aromatic enriched deasphalted oil extract fraction for preparing bitumen. The present invention further relates to bitumen and process for preparing the bitumen using the aromatic enriched deasphalted oil extract fraction. The aromatic enriched deasphalted oil extract fraction obtained in accordance with the present invention can be used preparing plurality of grades of bitumen. Also, bitumen obtained in accordance with the present invention contains extremely low concentration of poly cyclic aromatics and more particularly benzo(a)pyrene.

No. of Pages : 20 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2120/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CATALYST COMPOSITION FOR FLUID CATALYTIC CRACKING, PROCESS FOR PREPARING THE SAME AND USE THEREOF

|                                               |            |
|-----------------------------------------------|------------|
| (51) International classification             | :C10G11/05 |
| (31) Priority Document No                     | :NA        |
| (32) Priority Date                            | :NA        |
| (33) Name of priority country                 | :NA        |
| (86) International Application No             | :NA        |
| Filing Date                                   | :NA        |
| (87) International Publication No             | : NA       |
| (61) Patent of Addition to Application Number | :NA        |
| Filing Date                                   | :NA        |
| (62) Divisional to Application Number         | :NA        |
| Filing Date                                   | :NA        |

(71)Name of Applicant :

**1)Indian Oil Corporation Limited**

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(East) Mumbai-400 051 MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)KARTHIKEYANI Arumugam Velayutham**

**2)KUVETTU Mohan Prabhu**

**3)SARKAR Biswanath**

**4)KASLIWAL Pankaj Kumar**

**5)SWAMY Balaiah**

**6)MISHRA Ganga Shankar**

**7)GUPTA Kamlesh**

**8)RAJAGOPAL Santanam**

**9)MALHOTRA Ravinder Kumar**

(57) Abstract :

The present invention provides a catalyst composition for use in a catalytic cracking process, said catalyst composition comprises 3.5 to 15.5 % of pentasil zeolite, 9 to 40 % of ultra-stable Y (USY) or rare earth exchanged USY (REUSY) zeolite, 3.5 to 15 % of large pore active matrix based bottom up gradation component and 0.3 to 3 % of a metal trap component, the percentage being based on weight of the catalyst composition. The present invention also provides a process for preparing the said catalyst composition and a catalytic cracking process comprising contacting the said catalyst composition with a feedstock.

No. of Pages : 28 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2200/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ORDER MANAGEMENT IN LINER SHIPPING SERVICES

|                                               |                                        |                                                                                                                                                                                     |
|-----------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G06Q50/28,<br>G06Q50/00,<br>G06Q50/26 | (71) <b>Name of Applicant :</b><br><b>1)TATA CONSULTANCY SERVICES LIMITED</b><br>Address of Applicant :Nirmal Building 9th Floor Nariman<br>Point Mumbai 400021 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                    | (72) <b>Name of Inventor :</b>                                                                                                                                                      |
| (32) Priority Date                            | :NA                                    | <b>1)SENGUPTA Dr Siddhartha</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 :

Method(s) and system(s) for managing orders in liner based services are described herein. The method includes receiving a request for booking a shipment order. The shipment order may include booking an empty liner slot and an empty container. The method includes determining, based on an operational plan, temporal and geographical availabilities of empty liner slots and empty containers to promise the request. The operational plan is generated by evaluating availabilities and reservations of the empty liner slots to optimize revenues. Further, the operational plan is generated by performing a configurable search over the multiple dimensions and optimal intra-regional repositioning of empty containers. The method also includes providing a response to the request, based on the determination. Further, the method includes executing the request, upon acceptance of the request and continuous gathering and updating of the status of orders, demands and supplies as well as business parameters.

No. of Pages : 46 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2201/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :01/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : MICROEMULSION BASED GEL

|                                               |                                                   |                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K8/89,<br>A61K8/894,<br>A61K8/18,<br>A61Q17/0 | (71) <b>Name of Applicant :</b><br><b>1)K B INSTITUTE OF PHARMACEUTICAL<br/>EDUCATION &amp; RESEARCH(KBIPER)</b><br>Address of Applicant :K B INSTITUTE OF<br>PHARMACEUTICAL EDUCATION & RESEARCH (KBIPER),<br>KADI PHARMACY CAMPUS, GATE NO:1, SECTOR-23, GH-<br>06 ROAD, GANDHINAGAR, GUJARAT-382023 India |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                                                                                                                                               |
| (32) Priority Date                            | :NA                                               | <b>1)MS. HETAL KAUSHAL PATEL</b>                                                                                                                                                                                                                                                                             |
| (33) Name of priority country                 | :NA                                               | <b>2)DR. ARUN KUMAR SHIV SHARMA SHUKLA</b>                                                                                                                                                                                                                                                                   |
| (86) International Application No             | :NA                                               | <b>3)DR. PRAGNA KRISHNACHANDRA SHELAT</b>                                                                                                                                                                                                                                                                    |
| Filing Date                                   | :NA                                               | <b>4)DR. GAURANG BHAGVANDAS SHAH</b>                                                                                                                                                                                                                                                                         |
| (87) International Publication No             | :N/A                                              | <b>5)MR. BHAVESH SUBHASHCHANDRA BAROT</b>                                                                                                                                                                                                                                                                    |
| (61) Patent of Addition to Application Number | :NA                                               | <b>6)MR. PUNIT BHAILALBHAI PAREJIYA</b>                                                                                                                                                                                                                                                                      |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                                                                                                                                              |
| (62) Divisional to Application Number         | :NA                                               |                                                                                                                                                                                                                                                                                                              |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                                                                                                                                              |

(57) Abstract :

The present invention provides a Microemulsion Based Gel (MBG) comprises of an active agent and PLASTIBASE as gel forming polymer and said MBG retains more than 50.0 % an active agent in skin.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1907/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :02/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROTEIN BIOMARKERS FOR LEPTOSPIROSIS

|                                               |                            |                                                                                                                                                            |
|-----------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G01N33/68,<br>G01N33/573, | (71) <b>Name of Applicant :</b><br><b>1)INDIAN INSTITUTE OF TECHNOLOGY</b><br>Address of Applicant :BOMBAY OF POWAI,MUMBAI-<br>400076, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                        | (72) <b>Name of Inventor :</b>                                                                                                                             |
| (32) Priority Date                            | :NA                        | <b>1)PROF. SANJEEVA SRIVASTAVA</b>                                                                                                                         |
| (33) Name of priority country                 | :NA                        | <b>2)PROF. RAJNEESH SRIVASTAVA</b>                                                                                                                         |
| (86) International Application No             | :NA                        | <b>3)MR.SANDIPAN RAY</b>                                                                                                                                   |
| Filing Date                                   | :NA                        | <b>4)MR. VINEET VAIBHAV</b>                                                                                                                                |
| (87) International Publication No             | :N/A                       |                                                                                                                                                            |
| (61) Patent of Addition to Application Number | :NA                        |                                                                                                                                                            |
| Filing Date                                   | :NA                        |                                                                                                                                                            |
| (62) Divisional to Application Number         | :NA                        |                                                                                                                                                            |
| Filing Date                                   | :NA                        |                                                                                                                                                            |

(57) Abstract :

The present application is related to a panel of protein biomarkers for leptospirosis, and its potential for development of diagnostic kit for identification of these biomarkers in a sample.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1997/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : HEPARIN PREFILLABLE SYRINGE MADE OF COC/RCP

|                                               |                        |                                                                                                                                                                                       |
|-----------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C08L5/10,<br>A61M5/31 | (71) <b>Name of Applicant :</b><br><b>1)AGRAWAL Pawan</b><br>Address of Applicant :F 22 Akash Tower Opp: Premchand<br>Nagar Judges Bungalow Road Satellite Ahmedabad Gujarat<br>India |
| (31) Priority Document No                     | :NA                    |                                                                                                                                                                                       |
| (32) Priority Date                            | :NA                    |                                                                                                                                                                                       |
| (33) Name of priority country                 | :NA                    |                                                                                                                                                                                       |
| (86) International Application No             | :NA                    | <b>2)AGARWAL Zameer</b>                                                                                                                                                               |
| Filing Date                                   | :NA                    | (72) <b>Name of Inventor :</b>                                                                                                                                                        |
| (87) International Publication No             | : NA                   | <b>1)AGRAWAL Pawan</b>                                                                                                                                                                |
| (61) Patent of Addition to Application Number | :NA                    | <b>2)AGARWAL Zameer</b>                                                                                                                                                               |
| Filing Date                                   | :NA                    |                                                                                                                                                                                       |
| (62) Divisional to Application Number         | :NA                    |                                                                                                                                                                                       |
| Filing Date                                   | :NA                    |                                                                                                                                                                                       |

(57) Abstract :

The disclosed invention proposes a Heparin Prefilled Syringe Made of Cyclic Olefin Copolymer or Roselene Crystal Clear polymer for exact Heparin dose administration. The present Heparin prefilled syringe made of Cyclic Olefin Copolymer or Roselene Crystal Clear polymer do not retain heparin molecules to the walls of the said syringes as the said syringes are siliconized and do not allow the negatively charged heparin to get attached to the walls of the syringe. Therefore, there are no chances of fluctuation in the dosage. Also, the present Heparin prefilled syringe made of COC or RCP being prefilled, contain premixed Heparin and Sterile Water in the relative amount for the required dose and so do not require them to be mixed from the ampoules prior to administration. Therefore, the possibility of fluctuations in dosage is considerably reduced. Further, there are no risks of dosage fluctuation due to handling errors as it is not required to be filled from the ampoules. Hence, there are no risks of heparin getting contaminated.

No. of Pages : 41 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1998/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :11/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : BIOADHESIVE BARRIER FILM AND SPONTANEOUS PLUG FORMING TEAT DIPS

|                                               |                         |                                                                                                                                                                                                                                                 |
|-----------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K9/00,<br>A61K31/00 | (71) <b>Name of Applicant :</b><br><b>1)DEVARAJAN PADMA VENKITACHALAM</b><br>Address of Applicant :DEPARTMENT OF<br>PHARMACEUTICAL SCIENCES AND TECHNOLOGY,<br>INSTITUTE OF CHEMICAL TECHNOLOGY, MATUNGA,<br>MUMBAI-400019, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     | (72) <b>Name of Inventor :</b>                                                                                                                                                                                                                  |
| (32) Priority Date                            | :NA                     | <b>1)DEVARAJAN PADMA VENKITACHALAM</b>                                                                                                                                                                                                          |
| (33) Name of priority country                 | :NA                     | <b>2)PRANATHARTHIHARAN SANDHYA</b>                                                                                                                                                                                                              |
| (86) International Application No             | :NA                     |                                                                                                                                                                                                                                                 |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                                                                 |
| (87) International Publication No             | :N/A                    |                                                                                                                                                                                                                                                 |
| (61) Patent of Addition to Application Number | :NA                     |                                                                                                                                                                                                                                                 |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                                                                 |
| (62) Divisional to Application Number         | :NA                     |                                                                                                                                                                                                                                                 |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                                                                 |

(57) Abstract :

Bioadhesive barrier film and spontaneous plug forming teat dips are disclosed that contain a film forming polymer, a bioadhesive polymer, surfactant, a water miscible and water immiscible emollient and plasticizer in a hydroalcoholic vehicle. These dips when applied to the teat of cows dry to form a uniform, bioadhesive film with spontaneous plug formation, at the mouth of the milk channel to act as a barrier and thus affords to prevent or reduce the incidence of mastitis in cows.

No. of Pages : 17 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2240/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :03/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : TASTE MASKED COMPOSITIONS COMPRISING ASENAPINE MALEATE

|                                               |                                                   |                                                                                                                                                                                                                            |
|-----------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61P25/04,<br>A61K31/433,<br>C07D285/135,<br>C07 | (71) <b>Name of Applicant :</b><br><b>1)INVENTIA HEALTHCARE PRIVATE LIMITED</b><br>Address of Applicant :UNIT NO.S-4, KHIRA INDUSTRIAL<br>ESTATE, B.M BHARGAVA ROAD, SANTACRUZ WEST,<br>MUMBAI 400054, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                                                             |
| (32) Priority Date                            | :NA                                               | <b>1)MUKHERJI GOUR</b>                                                                                                                                                                                                     |
| (33) Name of priority country                 | :NA                                               | <b>2)REDASANI VIJAYENDRAKUMAR</b>                                                                                                                                                                                          |
| (86) International Application No             | :NA                                               | <b>VIRENDRAKUMARJI</b>                                                                                                                                                                                                     |
| Filing Date                                   | :NA                                               | <b>3)JAIN AMOL ASHOKLAL</b>                                                                                                                                                                                                |
| (87) International Publication No             | :N/A                                              | <b>4)CHAVAN RITESH ANIL</b>                                                                                                                                                                                                |
| (61) Patent of Addition to Application Number | :NA                                               | <b>5)SHAH VAIBHAVI ANKUR</b>                                                                                                                                                                                               |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                                                            |
| (62) Divisional to Application Number         | :NA                                               |                                                                                                                                                                                                                            |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                                                            |

(57) Abstract :

The present invention provides taste masked, palatable, pharmaceutical composition comprising asenapine or pharmaceutically acceptable salts thereof. The invention also provides a process for the preparation of such compositions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2242/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :03/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND APPARATUS FOR AUTOMATICALLY CLEANING FILTERS

|                                               |                          |                                                                                                                                                                                                           |
|-----------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B01D35/16,<br>B01D50/00 | (71) <b>Name of Applicant :</b><br><b>1)FILTER CONCEPT PVT. LTD.</b><br>Address of Applicant :302,AALIN,OPP. GUJARAT<br>VIDHYAPITH,B/H JET AIRWAYS OFFICE, ASHRAM ROAD,<br>AHMEDBAD-380014, 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>                                                                                                                                                                            |
| Filing Date                                   | :NA                      | <b>1)PANCHAL, MEHUL</b>                                                                                                                                                                                   |
| (87) International Publication No             | :N/A                     |                                                                                                                                                                                                           |
| (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 provides method and apparatus for filtering a contaminated liquid. The apparatus comprises a cylindrical filter element to remove solid contaminants from a contaminated liquid. A contaminated liquid is made to flow from the inside of the cylindrical filter element to the outside of the filter element such that the solid contaminants remain on the inside of the filter element. The apparatus further comprises of a mechanism to automatically clean the filter element. Additionally, one or more parameters corresponding to the operation of the filter may be customized by a user of the filter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1650/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHODS FOR PROVIDING SERVING NETWORK INFORMATION AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME

|                                               |                              |                                                                                                                                                              |
|-----------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H04L<br>12/22,<br>H04L 9/00 | (71)Name of Applicant :<br><b>1)MEDIATEK INC.</b><br>Address of Applicant :NO. 1, DUSING RD. 1ST, SCIENCE-BASED INDUSTRIAL PARK, HSIN-CHU 300, R.O.C. Taiwan |
| (31) Priority Document No                     | :13/187,187                  | (72)Name of Inventor :                                                                                                                                       |
| (32) Priority Date                            | :20/07/2011                  | <b>1)SHUANG-AN CHOU</b>                                                                                                                                      |
| (33) Name of priority country                 | :U.S.A.                      | <b>2)SHIH-HSIN CHIEN</b>                                                                                                                                     |
| (86) International Application No             | :NA                          | <b>3)HSIAO-JU KUO</b>                                                                                                                                        |
| Filing Date                                   | :NA                          | <b>4)PO-HAN CHU</b>                                                                                                                                          |
| (87) International Publication No             | :N/A                         |                                                                                                                                                              |
| (61) Patent of Addition to Application Number | :NA                          |                                                                                                                                                              |
| Filing Date                                   | :NA                          |                                                                                                                                                              |
| (62) Divisional to Application Number         | :NA                          |                                                                                                                                                              |
| Filing Date                                   | :NA                          |                                                                                                                                                              |

(57) Abstract :

A communications apparatus is provided. A processor is coupled to a subscriber identity card and a radio transceiver module. The subscriber identity card camps on a first cell operated in a first serving network having a first serving network identifier via the radio transceiver module. The processor at least includes a first processor logic unit embedding information regarding the first serving network identifier in a first signal and a second processor logic unit transmitting the first signal to a peer communications apparatus via the radio transceiver module.

No. of Pages : 41 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2161/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :27/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION

|                                               |                         |                                                                                                                                           |
|-----------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/18,<br>A61K9/64 | (71) <b>Name of Applicant :</b><br><b>1)CIPLA LIMITED</b><br>Address of Applicant :MUMBAI CENTRAL, MUMBAI-400<br>008, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     | (72) <b>Name of Inventor :</b>                                                                                                            |
| (32) Priority Date                            | :NA                     | <b>1)MALHOTRA, GEENA</b>                                                                                                                  |
| (33) Name of priority country                 | :NA                     | <b>2)PURANDARE, SHIRINIVAS MADHUKAR</b>                                                                                                   |
| (86) International Application No             | :NA                     |                                                                                                                                           |
| Filing Date                                   | :NA                     |                                                                                                                                           |
| (87) International Publication No             | :N/A                    |                                                                                                                                           |
| (61) Patent of Addition to Application Number | :NA                     |                                                                                                                                           |
| Filing Date                                   | :NA                     |                                                                                                                                           |
| (62) Divisional to Application Number         | :NA                     |                                                                                                                                           |
| Filing Date                                   | :NA                     |                                                                                                                                           |

(57) Abstract :

The present invention discloses pharmaceutical compositions for inhalation which comprise one or more bronchodilators and an inhaled corticosteroid. More particularly, the present invention discloses pharmaceutical compositions comprising olodaterol, an inhaled corticosteroid and/or an anticholinergic. The present invention also discloses a process for preparing the pharmaceutical composition and use thereof in the treatment and/or prevention of respiratory, inflammatory or obstructive airway disease.

No. of Pages : 42 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2246/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AUTOMATIC SYSTEM FOR PROCESSING FOLDED, KNOCKED DOWN CARTONS TO ARTICLE RECEIVING CONFIGURATION THEREOF

|                                               |                                                   |                                                                                                                                                               |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B65B59/00,<br>B65B43/28,<br>B65B5/06,<br>B65B21/ | (71) <b>Name of Applicant :</b><br><b>1)GUPTA HARSHWARDHAN</b><br>Address of Applicant :3,DELICIA-A, UTOPIA, 68<br>WANOWRIE, PUNE-411040, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                |
| (32) Priority Date                            | :NA                                               | <b>1)GUPTA HARSHWARDHAN</b>                                                                                                                                   |
| (33) Name of priority country                 | :NA                                               |                                                                                                                                                               |
| (86) International Application No             | :NA                                               |                                                                                                                                                               |
| Filing Date                                   | :NA                                               |                                                                                                                                                               |
| (87) International Publication No             | :N/A                                              |                                                                                                                                                               |
| (61) Patent of Addition to Application Number | :NA                                               |                                                                                                                                                               |
| Filing Date                                   | :NA                                               |                                                                                                                                                               |
| (62) Divisional to Application Number         | :NA                                               |                                                                                                                                                               |
| Filing Date                                   | :NA                                               |                                                                                                                                                               |

(57) Abstract :

A carton erector system for erecting folded knocked down cartons includes a carton unfolding assembly, a bottom flap closing mechanism and a support. The carton unfolding assembly includes an individual carton picker, a carton turner, a kicker and a vertical mover. The carton turner orients the picked carton from an operative horizontal configuration to an operative vertical configuration. The kicker facilitates opening of the carton in the appropriate orientation. The vertical mover and the horizontal mover fully unfold the carton into a box configuration. The bottom flap closing mechanism receives the unfolded carton in box configuration with bottom and top flaps open from the vertical mover. The closing mechanism includes folding fingers for folding a first pair of bottom flaps on opposite sides and folding arms for folding a second pair of bottom flaps. The support co-operates with the bottom flaps closing mechanism during the bottom flaps closing operation.

No. of Pages : 42 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2247/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AUTOMATIC SYSTEM FOR FILLING ARTICLES INTO A PACKAGING CARTON

(51) International classification

:B65B5/02,  
B65B21/06

(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

:N/A

(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)GUPTA HARSHWARDHAN**

Address of Applicant :3,DELICIA-A, UTOPIA, 68  
WANOWRIE, PUNE-411040, MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)GUPTA HARSHWARDHAN**

(57) Abstract :

A system for automatic filling of articles into a carton is disclosed. The system includes a linear array forming mechanism, a matrix forming mechanism, a matrix picking and placing mechanism and a dropping mechanism. The linear array forming mechanism includes a linear array forming platform and a linear array moving mechanism. The matrix forming mechanism includes a linear array pusher for facilitating movement of the pre-determined linear array length of the articles received from the linear array forming mechanism for forming a matrix of a pre-determined number of the linear arrays. The matrix picking and placing mechanism includes a vacuum picker mechanism and a matrix placement mechanism. The vacuum picker mechanism picks the matrix. The matrix placement mechanism is functionally connected to the vacuum picker mechanism for facilitating movement of the picked matrix into a carton. The dropping mechanism facilitates releasing of the picked matrix in the carton.

No. of Pages : 48 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1066/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :31/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : POLY-(ALKYL RICINOLEATE-CO-ALKYLMALEIMIDE) AS POUR POINT DEPRESSANT FOR OILS

|                                               |                 |                                                              |
|-----------------------------------------------|-----------------|--------------------------------------------------------------|
| (51) International classification             | :C07D<br>207/00 | (71)Name of Applicant :<br><b>1)CROMPTON GREAVES LIMITED</b> |
| (31) Priority Document No                     | :NA             | Address of Applicant :CG HOUSE, 6TH FLOOR, DR.               |
| (32) Priority Date                            | :NA             | ANNIE BESANT ROAD, WORLI, MUMBAI 400030,                     |
| (33) Name of priority country                 | :NA             | MAHARASHTRA, INDIA.                                          |
| (86) International Application No             | :NA             | (72)Name of Inventor :                                       |
| Filing Date                                   | :NA             | <b>1)CHAUDHARI SUSHIL EKANATH</b>                            |
| (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 :

Poly(alkyl ricinoleate-co-alkylmaleimide) having general formula (I): Formula (I) poly(alkylricinoleate-co-alkylmaleimide) wherein R represents C10 to C22 straight chain aliphatic alkyl group; X represents number of -CH2- units and n represents number of operating units having pour point depressant activity in oil. A method for the preparation of poly(alkyl ricinoleate-co-alkylmaleimide) having general formula (I) is also disclosed herein.

No. of Pages : 28 No. of Claims : 14



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/07/2012

(21) Application No.1919/MUM/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : CIGARETTE CARTON

(51) International classification

:B65D85/08,  
B65D5/72

(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

:N/A

(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)PARKSONS PACKAGING LTD.**

Address of Applicant :GATE NO. 357/77,79,81, CHAKAN-  
TALEGAON ROAD, KHARABWADI, TAL: KHED, CHAKAN,  
PUNE-410501 Maharashtra India

(72)Name of Inventor :

**1)PULKESH P. GUNAICHA**

**2)ABHIJEET N.PANDIT**

(57) Abstract :

A carton and a blank for constructing a carton is described. The carton includes an insert panel having a plurality of panels and a plurality of tabs that are configured to be folded along a predefined plurality of folded lines to form a box from the insert. The carton further includes a sleeve panel having a plurality of panels and a plurality of panels that are configured to be folded along a predefined plurality of folded lines to form a box from the insert. The carton further includes a connector that is folded along a predefined plurality of fold lines thereon such that when the connector is folded along the folded lines the box erected out of the insert panel is inserted to the box erected out the sleeve panel and the connector acts as a slider for the box inserted.

#### ABSTRACT

A carton and a blank for constructing a carton is described. The carton includes an insert panel having a plurality of panels and a plurality of tabs that are configured to be folded along a predefined plurality of folded lines to form a box from the insert. The carton further includes a sleeve panel having a plurality of panels and a plurality of panels that are configured to be folded along a predefined plurality of folded lines to form a box from the insert. The carton further includes a connector that is folded along a predefined plurality of fold lines thereon such that when the connector is folded along the folded lines the box erected out of the insert panel is inserted to the box erected out the sleeve panel and the connector acts as a slider for the box inserted.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2089/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :20/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AUTOMATIC DRAINING SYSTEM FOR FUEL/WATER SEPARATORS IN VEHICLES

|                                               |                          |                                                                                                                                                                                        |
|-----------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B01D17/02,<br>F02M37/22 | (71) <b>Name of Applicant :</b><br><b>1)FLEETGUARD FILTERS PRIVATE LIMITED</b><br>Address of Applicant : 'KIRLOSKAR HOUSE',100, ANAND<br>PARK, AUNDH, PUNE-411 007,MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                      |                                                                                                                                                                                        |
| (32) Priority Date                            | :NA                      |                                                                                                                                                                                        |
| (33) Name of priority country                 | :NA                      | (72) <b>Name of Inventor :</b>                                                                                                                                                         |
| (86) International Application No             | :NA                      | <b>1)TILAK VIDYADHAR MADHAV</b>                                                                                                                                                        |
| Filing Date                                   | :NA                      | <b>2)KHANDKAR ARUN GANESH</b>                                                                                                                                                          |
| (87) International Publication No             | :N/A                     |                                                                                                                                                                                        |
| (61) Patent of Addition to Application Number | :NA                      |                                                                                                                                                                                        |
| Filing Date                                   | :NA                      |                                                                                                                                                                                        |
| (62) Divisional to Application Number         | :NA                      |                                                                                                                                                                                        |
| Filing Date                                   | :NA                      |                                                                                                                                                                                        |

(57) Abstract :

An automatic draining system for a fuel-water separator in a vehicle, wherein the system comprises: a first sensing electrode disposed within the fuel-water separator to detect a high level of water within the fuel-water separator and generate a corresponding first logic signal; a second sensing electrode disposed within the fuel-water separator below the first sensing electrode to detect a low level of water within the fuel-water separator and generate a corresponding second logic signal; a drain valve coupled to the fuel-water separator to drain water accumulated within the fuel-water separator; and an electric circuit in communication with said first and second sensing electrodes, to actuate said drain valve in response to said first and second logic signals received from said first and second sensing electrodes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2251/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : REGULATE / MANAGE BLOOD GLUCOSE LEVELS OF A SUBJECT BY PROMOTING CELL METABOLISM WITH THE APPLICATION OF LOW FREQUENCY (20 KHZ TO 70 KHZ) AIRBORNE ULTRASOUND WAVE AND A MACHINE TO PRODUCE THE AIRBORNE ULTRASOUND WAVE THEREOF

|                                               |                      |                                                                                                                                                                                                    |
|-----------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61H23/02, B06B1/02 | (71)Name of Applicant :<br><b>1)M/S. MASER ELECTRONICS PVT. LIMITED</b><br>Address of Applicant :76 VISHAL INDUSTRIAL ESTATE,<br>OPP.CEAT TYRES, BHANDUP(W),MUMBAI-400 078,<br>MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                  |                                                                                                                                                                                                    |
| (32) Priority Date                            | :NA                  |                                                                                                                                                                                                    |
| (33) Name of priority country                 | :NA                  |                                                                                                                                                                                                    |
| (86) International Application No             | :NA                  | (72)Name of Inventor :                                                                                                                                                                             |
| Filing Date                                   | :NA                  | <b>1)DR. T. S. RAMCHANDRAN</b>                                                                                                                                                                     |
| (87) International Publication No             | :N/A                 |                                                                                                                                                                                                    |
| (61) Patent of Addition to Application Number | :NA                  |                                                                                                                                                                                                    |
| Filing Date                                   | :NA                  |                                                                                                                                                                                                    |
| (62) Divisional to Application Number         | :NA                  |                                                                                                                                                                                                    |
| Filing Date                                   | :NA                  |                                                                                                                                                                                                    |

(57) Abstract :

An apparatus incorporated with a game operation interface (10) to offer selection of anyone of multiple game stations (20) to play a game includes a judgment unit (30), a control unit (50) and a prompt unit (40). The judgment unit (30) is connected to the game stations (20) and monitors historical game results of the game stations (20). The control unit (50) is connected to the judgment unit (30) and prompt unit (40). The prompt unit (40) includes a plurality of notification elements (41) corresponding to the game stations (20) and is incorporated with the game operation interface (10). When the judgment unit (30) detects that one of the historical game results of the game stations (20) has met a preset condition, a control signal is generated. The control unit (50) controls the prompt unit (40) to make the notification elements (41) to generate a notification signal to inform players whether a hot game is generated on the game stations (20).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.105/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :13/01/2010

(43) Publication Date : 30/05/2014

(54) Title of the invention : FABRIC OF PRECIOUS AND/OR NON-PRECIOUS METALS WITH AND WITHOUT SYNTHETIC AND/OR NATURAL FIBRE.

|                                               |                                |                                                                                                                                                                                                    |
|-----------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C08J<br>5/18,<br>D04B<br>1/14 | (71)Name of Applicant :<br><b>1)MR. SANGHVI MAHENDRA MISHRIMAL</b><br>Address of Applicant :1602,16TH FLOOR, CHAITYA<br>TOWERS SHIVDAS CHAMPSI MARG MAZGAON,<br>MUMBAI-400010, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                            | (72)Name of Inventor :                                                                                                                                                                             |
| (32) Priority Date                            | :NA                            | <b>1)MR. SANGHVI MAHENDRA MISHRIMAL</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 :

The present invention relates to the fabric made from metals and allied alloys and process for making the fabric from metal threads, more particularly to the fabric intended for clothing, Jewellery, furnishing, accessories and many more daily/occasional usable products from precious and/or non precious metal/s with and without synthetic and/or natural fibre/s. Present invention provides a thin elastic woven/knitted/crocheted/braided fabric of precious and/or non precious metal/s and alloys that have never been attained in the prior art and that are suitable in use for apparel and allied designs including in jewellery-furnishing, accessories etc. According to the present invention, woven/knitted/crocheted/braided fabrics of precious and/or non precious metal/s and alloys can be obtained, which retain their original luster and beauty and are valuable when used in fabric design and thus, the fabrics will not lose their excellence in view of property value as jewelry metal. The present invention provides a fabric and textile product from metal, which is made of precious and/or non precious metal/s and alloys with and without synthetic and/or natural fibres. The present invention provides such a product that has an extremely high volume/weight ratio so as to obtain precious/ luxurious/ lifestyle products having a large volume and a very low weight.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2097/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :20/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR ENHANCING COAL LIQUEFACTION

|                                               |                        |                                                                                                                                                                                   |
|-----------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C10G1/00,<br>C10G1/06 | (71) <b>Name of Applicant :</b><br><b>1)PRADEEP METALS LIMITED</b><br>Address of Applicant :R-205, TTC INDUSTRIAL AREA,<br>M.I.D.C.,RABALE, NAVI MUMBAI-400 701 Maharashtra India |
| (31) Priority Document No                     | :NA                    | (72) <b>Name of Inventor :</b>                                                                                                                                                    |
| (32) Priority Date                            | :NA                    | <b>1)IYER VISHWANTHAN MAHADEVAN</b>                                                                                                                                               |
| (33) Name of priority country                 | :NA                    | <b>2)GOYAL PRADEEP VEDPRAKASH</b>                                                                                                                                                 |
| (86) International Application No             | :NA                    |                                                                                                                                                                                   |
| Filing Date                                   | :NA                    |                                                                                                                                                                                   |
| (87) International Publication No             | :N/A                   |                                                                                                                                                                                   |
| (61) Patent of Addition to Application Number | :NA                    |                                                                                                                                                                                   |
| Filing Date                                   | :NA                    |                                                                                                                                                                                   |
| (62) Divisional to Application Number         | :NA                    |                                                                                                                                                                                   |
| Filing Date                                   | :NA                    |                                                                                                                                                                                   |

(57) Abstract :

A process for enhancing coal liquefaction yield from the petroleum crude-like extract so obtained from high ash containing coal by using electromagnetic energy such as microwaves followed by magnetic separation prior to subjecting coal to liquefaction process. The process causes selective and differential heating of adverse mineral matters present in the high ash containing coal and converts them into catalytic ones. It also increases the magnetic susceptibility of mineral matters present in the coal thereby facilitating catalytic liquefaction of coals at less severe operating conditions which in turn enhances the yield of the product. The process also reduces the erode-ability and refractory nature of ash, resulting in its decreased resistivity and better heat transfer characteristics.

No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/07/2012

(21) Application No.2098/MUM/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : STABLE DISPERSION OF REDUCED GRAPHENE OXIDE, PROCESS FOR PREPARATION AND USE THEREOF

|                                               |                                       |                                                                                                                                                                         |
|-----------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C01B33/141,<br>C09G1/02,<br>C09C1/68 | (71)Name of Applicant :<br><b>1)Indian Oil Corporation Limited</b><br>Address of Applicant :G-9 Ali Yavar Jung Marg Bandra<br>(East) Mumbai-400 051 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                   | (72)Name of Inventor :                                                                                                                                                  |
| (32) Priority Date                            | :NA                                   | <b>1)OTA Jyotiranjana</b>                                                                                                                                               |
| (33) Name of priority country                 | :NA                                   | <b>2)HAIT Samik Kumar</b>                                                                                                                                               |
| (86) International Application No             | :NA                                   | <b>3)TULI Deepak Kumar</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 :

The present invention provides an environment friendly process for the preparation of a stable dispersion of reduced graphene oxide by using a suitable agent having reducing and stabilizing property. The dispersion of reduced graphene oxide is used as coolant in industries and in solar thermal generation also.

No. of Pages : 21 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2264/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :07/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR DELIVERING DATA AND INFORMATION

|                                               |                             |                                                                                                                                                                                                       |
|-----------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H04N21/2381,<br>H04N21/242 | (71) <b>Name of Applicant :</b><br><b>1)MANJREKAR VAISHALI NITIN</b><br>Address of Applicant :FLAT NO. 101, SHREE AMEYA<br>APTS., RANGE HILL ROAD, ASHOK NAGAR, PUNE -<br>411007, MAHARASHTRA, 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)MANJREKAR VAISHALI NITIN</b>                                                                                                                                                                     |
| (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 Computer implemented system and method for sending/receiving information to/from users has been disclosed. The disclosure includes an electronic device having information processing and display capabilities. The electronic device in accordance with the present disclosure, is embedded with a proprietary communication protocol which governs the manner in which the electronic device communicates with other devices. The system further includes a sensor network having at least one sensor node configured to sense information corresponding to pre-determined events. The information sensed by the sensors is transmitted to the electronic device in accordance with the proprietary protocol. The electronic device further transmits the received information to a data server which analyzes the information and signals an analytics server to search for third party content relevant to the received information. Further, the data server combines the relevant third party content with the received information and transmits the same to a pre-determined destination.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1563/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/05/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS OF AMORPHOUS ASENAPINE MALEATE

|                                               |                           |                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/407,<br>A61K31/40 | (71) <b>Name of Applicant :</b><br><b>1)GLENMARK GENERICS LIMITED</b><br>Address of Applicant :B/2, MAHALAXMI CHAMBERS, 22<br>BHULABHAI DESAI ROAD, MUMBAI-400709,<br>MAHARASHTRA, 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)NAIK,JYOTI</b>                                                                                                                                                                       |
| (87) International Publication No             | : NA                      | <b>2)MEHTA,KAMAL</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 the pharmaceutical compositions comprising amorphous asenapine maleate and a process for preparing the same.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1900/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :02/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION FOR TRANSDERMAL DELIVERY

(51) International classification :A61K9/00,A61K47/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No :N/A  
(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)SHAH MOHIT**

Address of Applicant :6, SHIVKAMAL APMT. OPP.  
CENTRAL EXCISE BHAVAN, B/H PANJARAPOLE,  
AMBAVADI, AHMEDABAD-380015, Gujarat India

**2)AMIN AVANI**

**3)MEHTA TEJAL**

(72)Name of Inventor :

**1)SHAH MOHIT**

**2)AMIN AVANI**

**3)MEHTA TEJAL**

(57) Abstract :

The present invention provides a stable pharmaceutical composition for transdermal delivery comprising an active pharmaceutical ingredient enduring extensive first pass metabolism in combination with suitable pharmaceutical excipients. The invention also discloses the process of preparation of the same.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1991/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN AMINO ACID SENSOR OF CD<sup>2+</sup> COMPLEX OF CALIX[4]ARENE CONJUGATE

|                                               |             |                                                 |
|-----------------------------------------------|-------------|-------------------------------------------------|
| (51) International classification             | :C07C231/02 | (71)Name of Applicant :                         |
| (31) Priority Document No                     | :NA         | <b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b> |
| (32) Priority Date                            | :NA         | Address of Applicant :POWAI, MUMBAI-400076,     |
| (33) Name of priority country                 | :NA         | MAHARASHTRA, INDIA.                             |
| (86) International Application No             | :NA         | (72)Name of Inventor :                          |
| Filing Date                                   | :NA         | <b>1)PROF. CHEBROLU PULLA RAO</b>               |
| (87) International Publication No             | :N/A        | <b>2)RAKESH KUMAR PATHAK</b>                    |
| (61) Patent of Addition to Application Number | :NA         |                                                 |
| Filing Date                                   | :NA         |                                                 |
| (62) Divisional to Application Number         | :NA         |                                                 |
| Filing Date                                   | :NA         |                                                 |

(57) Abstract :

Triazole linked N, N-dimethyl amine ethylimino appended calix[4]arene conjugate, L and its Cd<sup>2+</sup> complex, [CdL] has been synthesized and characterized. [CdL] exhibits high fluorescence emission when excited at 380 nm. This highly fluorescing [CdL] has been used to sense cysteine (Cys) selectively among the twenty naturally occurring amino acids with a minimum detection limit of 58 ppb. The [CdL] exhibits reusability and reversibility during the sensing of Cys. All the events in this have been demonstrated using various techniques, viz., fluorescence, absorption, visual color change, ESI MS, <sup>1</sup>H NMR.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2071/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :19/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : FLOATING VALVE PISTON SYSTEM

|                                               |                                                   |                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :F16F9/516,<br>F16F9/348,<br>F16F9/34,<br>F16F9/5 | (71) <b>Name of Applicant :</b><br><b>1)GABRIEL INDIA LIMITED</b><br>Address of Applicant :29TH, MILESTONE, PUNE NASIK<br>HIGHWAY, VILLAGE : KURULI, TAL: KHED, DIST: PUNE -<br>410 501 Maharashtra India |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                                            |
| (32) Priority Date                            | :NA                                               | <b>1)DIVAKAR BHAT</b>                                                                                                                                                                                     |
| (33) Name of priority country                 | :NA                                               | <b>2)PAVAN JOSHI</b>                                                                                                                                                                                      |
| (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 provides a floating valve piston system for a shock absorber used in vehicles. The floating valve system comprises a piston ring, a piston guide, a valve spring, a valve pack assembly, a bolt piston, a piston cup, a hex nut, a valve stopper, a nut stopper and a guide nut. The valve pack assembly comprises a metering spacer, a valve seat, a plurality of deflection discs and a plurality of back up discs. The floating valve piston system of the present invention develops a rebound mechanism with less accuracy parts and is easy to manufacture.

No. of Pages : 16 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2149/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :27/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : FILTER CLEANING SYSTEM

|                                               |                                        |                                                                                                                                                                                                            |
|-----------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B01D45/18,<br>B01D46/48,<br>B01D46/04 | (71) <b>Name of Applicant :</b><br><b>1)SUSHIL SUKHLAL PIPADA</b><br>Address of Applicant :PLOT NO 9,SARANG SOCIETY<br>GARKHEDHA ROAD,NEAR GAJANAN MAHARAJ<br>MANDIR, AURANGABAD 431005. Maharashtra India |
| (31) Priority Document No                     | :NA                                    | (72) <b>Name of Inventor :</b>                                                                                                                                                                             |
| (32) Priority Date                            | :NA                                    | <b>1)SUSHIL SUKHLAL PIPADA</b>                                                                                                                                                                             |
| (33) Name of priority country                 | :NA                                    |                                                                                                                                                                                                            |
| (86) International Application No             | :NA                                    |                                                                                                                                                                                                            |
| Filing Date                                   | :NA                                    |                                                                                                                                                                                                            |
| (87) International Publication No             | :N/A                                   |                                                                                                                                                                                                            |
| (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 filter cleaning system. The system includes a cleaning chamber, a scrubber system for scrubbing the dirty filter while cleaning and a draining system to drain the cleaning system during operation. After keeping the filter inside the cleaning chamber for cleaning, the door of the cleaning chamber is closed and a water tap is switched on to clean the filter by water, and thereafter, the compressed air tap for drying of filter is switched on.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2326/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SEWAGE CLEARING DEVICE

|                                               |                          |                                                                                                                                                              |
|-----------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B01D21/18,<br>B01D21/24 | (71) <b>Name of Applicant :</b><br><b>1)KULKARNI, DEVARAT SHASHIKANT</b><br>Address of Applicant :SILVER OAK UNIVERSAL<br>SCHOOL, NASIK, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                      |                                                                                                                                                              |
| (32) Priority Date                            | :NA                      |                                                                                                                                                              |
| (33) Name of priority country                 | :NA                      | (72) <b>Name of Inventor :</b>                                                                                                                               |
| (86) International Application No             | :NA                      | <b>1)KULKARNI, DEVARAT SHASHIKANT</b>                                                                                                                        |
| Filing Date                                   | :NA                      |                                                                                                                                                              |
| (87) International Publication No             | :N/A                     |                                                                                                                                                              |
| (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 natural cooling device consists of box (1) divided by metal net (2) into three compartments to upper compartment (3), middle compartment (4) and lower compartment (5) where the upper and lower compartments are filled with coal (6), and middle compartment is further divided into two portions, where upper portion (7) is filled with wet porous material while the lower portion (8) can be used to keep foodstuff.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1675/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :07/06/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : SOLAR POWERED KIOSK WITH COOL OR WARM STORAGE SYSTEM

|                                               |                |                                                            |
|-----------------------------------------------|----------------|------------------------------------------------------------|
| (51) International classification             | :F24F<br>3/044 | (71) <b>Name of Applicant :</b><br><b>1)DEEPAK SOLANKI</b> |
| (31) Priority Document No                     | :NA            | Address of Applicant :178/2, D'SILVA HOUSE, NR             |
| (32) Priority Date                            | :NA            | MANGOR SPORTS MANGOR HILL, VASCO-DA-GAMA,                  |
| (33) Name of priority country                 | :NA            | GOA-403802 India                                           |
| (86) International Application No             | :NA            | (72) <b>Name of Inventor :</b>                             |
| Filing Date                                   | :NA            | <b>1)DEEPAK SOLANKI</b>                                    |
| (87) International Publication No             | :N/A           |                                                            |
| (61) Patent of Addition to Application Number | :NA            |                                                            |
| Filing Date                                   | :NA            |                                                            |
| (62) Divisional to Application Number         | :NA            |                                                            |
| Filing Date                                   | :NA            |                                                            |

(57) Abstract :

A UNIT DEVICE USEFUL FOR STORAGE FACILITY FOR PRODUCTS WHICH ARE KEPT UNDER COOL-WARM TEMPERATURE FOR PRESERVATION TO RETAIN ITS FRESHNESS AND NUTRIENTS FACTS FOR 1 OR 2 DAYS.

No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1943/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A SYSTEM, METHOD, AND PLATFORM, FOR EMBEDDING VIDEO FEEDS CAPTURED DURING A SURGERY, WITH MULTIMEDIA DATA, IN REAL-TIME

|                                               |                         |                                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H04N7/18,<br>H04N 5/00 | (71)Name of Applicant :<br><b>1)MEDITORCH TECHNOLOGIES PVT. LTD.</b><br>Address of Applicant :PLOT NO. 43, 2ND FLOOR, SHER-E-PUNJAB, MAHAKALI CAVES ROAD, ANDHERI (E), MUMBAI 400 093 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     |                                                                                                                                                                                                           |
| (32) Priority Date                            | :NA                     |                                                                                                                                                                                                           |
| (33) Name of priority country                 | :NA                     |                                                                                                                                                                                                           |
| (86) International Application No             | :NA                     | (72)Name of Inventor :                                                                                                                                                                                    |
| Filing Date                                   | :NA                     | <b>1)APTE PRASHANT</b>                                                                                                                                                                                    |
| (87) International Publication No             | :N/A                    | <b>2)DESHPANDE SURESH</b>                                                                                                                                                                                 |
| (61) Patent of Addition to Application Number | :NA                     |                                                                                                                                                                                                           |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                           |
| (62) Divisional to Application Number         | :NA                     |                                                                                                                                                                                                           |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                           |

(57) Abstract :

A system for embedding and sharing video feeds captured during a surgery, to participating users, in real-time, said system comprises: a video receiving means adapted to receive at least a video feed from at least a video recording equipment handled by a video feed originator; a video stream distribution server adapted to receive said video feed from said video receiving means; a relaying mechanism adapted to relay said video feed to said participating users, said relaying mechanism comprises a rendering mechanism adapted to render said video feed in relation to bandwidth available at each of said participating users, in that, said rendering mechanism comprises a protocol selection means adapted to select a protocol from a group of protocols consisting of RTP, RTSP, RTMP protocols and said rendering mechanism further comprises a transmission parameters selection means adapted to select transmission parameters from a group of transmission parameters consisting of video bit rate parameters, frames per second parameters, window size(s) parameters, buffer size parameters, key frame interval parameters; thereby, enabling full duplex communication, viewing options, surgery-performable video frame sequence transmission at substantially reduced bandwidth between said originator of said video feed and said at least a participating user viewing said video feed.

No. of Pages : 35 No. of Claims : 39



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2027/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AUTOMOTIVE CABIN ENVIRONMENT MANAGEMENT SYSTEM

(51) International classification

:F24F7/04,  
F28C3/08

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)TATA MOTORS LIMITED.**

Address of Applicant :Bombay House 24 Homi Mody Street  
Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)SURESH B TADIGADAPA**

**2)PRASANNA V NAGARHALLI**

(57) Abstract :

The present disclosure provides an automotive cabin environment management system comprising: an enclosure, first air filter mounted on top of the enclosure, one or more air conditioning unit mounted within enclosure. The one or more air conditioning unit receives atmospheric air via the first air filter to generate conditioned air to be supplied to a cabin of the vehicle. A plurality of second air filters are mounted below the enclosure, wherein each of the plurality of second air filters are located on either sides of the first air filter and are fluidly communicably attached to one of the one or more air conditioning unit. Further, a plurality of connecting ducts are provided in the system for recirculating the air. At least one motorized flap is mounted within the plurality of connecting ducts to direct the air flow from roof ducts into the evaporative heat exchangers in severe mode of operation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2366/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :14/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SYSTEMS AND METHODS FOR BUSINESS IMPACT ANALYSIS AND DISASTER RECOVERY

|                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(51) International classification :G06Q10/00<br/>(31) Priority Document No :NA<br/>(32) Priority Date :NA<br/>(33) Name of priority country :NA<br/>(86) International Application No :NA<br/>Filing Date :NA<br/>(87) International Publication No : NA<br/>(61) Patent of Addition to Application Number :NA<br/>Filing Date :NA<br/>(62) Divisional to Application Number :NA<br/>Filing Date :NA</p> | <p>(71)<b>Name of Applicant :</b><br/><b>1)KAKADE, PRASHANT</b><br/>Address of Applicant :SURVEY NO. 38/1/10, SHREE<br/>NAGAR, LANE NO. 2, PIMPLE GURAV, PUNE, - 411027.<br/>Maharashtra India<br/><b>2)RAMAN, SUNDAR B</b><br/><b>3)SHARMA, ROHIL</b><br/>(72)<b>Name of Inventor :</b><br/><b>1)KAKADE, PRASHANT</b><br/><b>2)RAMAN, SUNDAR B</b><br/><b>3)SHARMA, ROHIL</b></p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

(57) Abstract :

Systems and methods for business impact analysis and disaster recovery, wherein the system comprises of an input interface; business function parameters; limiting parameters associated to the said business function parameters; a tracking sub-system; an impact calculator; an operation site; and a disaster recovery site; wherein the said limiting parameters defines the limits of the said business function parameters; and wherein the said business function parameters and the said limiting parameters are entered into the system through the said input interface; and wherein the said entered business function parameters are independently or simultaneously tracked by a tracking sub-system; and wherein on occurrence of a change in business function parameters that cross the limits defined by the said limiting parameters is tracked by the said tracking sub-system and the said impact calculator calculates the impact of the change in the said business function parameters simultaneously in real time.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1954/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A PHARMACEUTICAL COMPOSITION CONTAINING MICRONIZED PROGESTERONE, A METHOD FOR PREPARING THE SAME AND USES THEREOF

|                                               |                         |
|-----------------------------------------------|-------------------------|
| (51) International classification             | :A61K36/00,<br>A61K9/48 |
| (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             | :N/A                    |
| (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)DR. JADHAV NAMDEO RAMHARI**

Address of Applicant :AT POST JADHAVWADI, TAL-KHANAPUR, DIST-SANGLI-415311, MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)DR. JADHAV NAMDEO RAMHARI**

(57) Abstract :

The present invention provides a stable pharmaceutical composition comprising micronized progesterone and moringa oil. The present formulation also provides a process for the preparation a stable pharmaceutical composition comprising micronized progesterone and moringa oil.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2040/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :14/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : INTERNAL DONORS FOR ZIEGLER-NATTA CATALYST SYSTEMS AND PROCESS FOR PREPARING THE SAME

|                                               |                                        |                                                                                                                                                                         |
|-----------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C08F4/44,<br>C08F10/00,<br>C08F110/06 | (71)Name of Applicant :<br><b>1)Indian Oil Corporation Limited</b><br>Address of Applicant :G-9 Ali Yavar Jung Marg Bandra<br>(East) Mumbai-400 051 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                    | (72)Name of Inventor :                                                                                                                                                  |
| (32) Priority Date                            | :NA                                    | <b>1)BANTU Bhasker</b>                                                                                                                                                  |
| (33) Name of priority country                 | :NA                                    | <b>2)SINGH Gurmeet</b>                                                                                                                                                  |
| (86) International Application No             | :NA                                    | <b>3)KAUR Sukhdeep</b>                                                                                                                                                  |
| Filing Date                                   | :NA                                    | <b>4)KUMAR Naresh</b>                                                                                                                                                   |
| (87) International Publication No             | : NA                                   | <b>5)KAPUR G. S.</b>                                                                                                                                                    |
| (61) Patent of Addition to Application Number | :NA                                    | <b>6)Shashikant</b>                                                                                                                                                     |
| Filing Date                                   | :NA                                    | <b>7)MALHOTRA Ravinder Kumar</b>                                                                                                                                        |
| (62) Divisional to Application Number         | :NA                                    |                                                                                                                                                                         |
| Filing Date                                   | :NA                                    |                                                                                                                                                                         |

(57) Abstract :

The Invention A catalyst composition for use as precursor for Ziegler-Natta catalyst system, said catalyst composition comprising a combination of magnesium moiety, titanium moiety and an internal donor containing at least one 1,2-phenylenedioate compound of structure (A). Also, the present invention provides a process for preparing the aforesaid catalyst composition. Further, the present invention provides a Ziegler-Natta catalyst system incorporating the aforesaid catalyst composition and a method for polymerizing and/or copolymerizing olefins using the Ziegler-Natta catalyst system.

No. of Pages : 124 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2042/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :16/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF AN OESTROGEN ANTAGONIST

|                                               |                           |                                                                                                                                                                       |
|-----------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K38/17,<br>A61K31/138 | (71) <b>Name of Applicant :</b><br><b>1)CADILA HEALTHCARE LIMITED</b><br>Address of Applicant :ZYDAS TOWER, SATELLITE<br>CROSS ROAD, AHMEDABAD-380 015, Gujarat India |
| (31) Priority Document No                     | :NA                       | (72) <b>Name of Inventor :</b>                                                                                                                                        |
| (32) Priority Date                            | :NA                       | <b>1)PANDEY, BIPIN</b>                                                                                                                                                |
| (33) Name of priority country                 | :NA                       | <b>2)KAUSHIK, SATA</b>                                                                                                                                                |
| (86) International Application No             | :NA                       | <b>3)SHEETAL, UMRANIYA</b>                                                                                                                                            |
| Filing Date                                   | :NA                       |                                                                                                                                                                       |
| (87) International Publication No             | :N/A                      |                                                                                                                                                                       |
| (61) Patent of Addition to Application Number | :NA                       |                                                                                                                                                                       |
| Filing Date                                   | :NA                       |                                                                                                                                                                       |
| (62) Divisional to Application Number         | :NA                       |                                                                                                                                                                       |
| Filing Date                                   | :NA                       |                                                                                                                                                                       |

(57) Abstract :

The present invention discloses the processes for preparing pure (-)-cis-6(S)-phenyl-5(R)-[4-(2-pyrrolidin-1-yl-ethoxy)phenyl]-5,6,7,8-tetrahydronaphthalen-2-ol. The present invention also discloses novel salts of (-)-cis-6(S)-phenyl-5(R)-[4-(2-pyrrolidin-1-yl-ethoxy)phenyl]-5,6,7,8-tetrahydronaphthalen-2-ol and processes for the preparation thereof and their use thereof including their use for the preparation of pure (-)-cis-6(S)-phenyl-5(R)-[4-(2-pyrrolidin-1-yl-ethoxy)phenyl]-5,6,7,8-tetrahydronaphthalen-2-ol.

No. of Pages : 38 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2290/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A NOVEL PHARMACEUTICAL COMPOSITION OF LINEZOLID.

|                                               |                                           |                                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/421,<br>C07D263/20,<br>A61K31/535 | (71) <b>Name of Applicant :</b><br><b>1)INDOCO REMEDIES LIMITED</b><br>Address of Applicant :R-92-93, T.T.C. INDUSTRIAL AREA,<br>THANE BELAPUR ROAD, RABALE MIDC NAVI MUMBAI-<br>400701 Maharashtra India |
| (31) Priority Document No                     | :NA                                       | (72) <b>Name of Inventor :</b>                                                                                                                                                                            |
| (32) Priority Date                            | :NA                                       | <b>1)PANANDIKAR, ADITI</b>                                                                                                                                                                                |
| (33) Name of priority country                 | :NA                                       | <b>2)BAMBOLKAR, SUNDEEP</b>                                                                                                                                                                               |
| (86) International Application No             | :NA                                       | <b>3)DR INAMDAR, KAVITA</b>                                                                                                                                                                               |
| Filing Date                                   | :NA                                       | <b>4)RAMESH, SAPNA</b>                                                                                                                                                                                    |
| (87) International Publication No             | :N/A                                      | <b>5)BURKUL, AMOL</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 a novel pharmaceutical composition of Linezolid. The present invention relates to a novel pharmaceutical composition comprising linezolid Form III along with pharmaceutically acceptable excipients and a process to prepare the said composition. The present invention relates to an oral dosage forms for the treatment of severe infections caused by Gram-positive bacteria.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2387/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ADSORBENT FOR REMOVAL OF CON-CARBON AND CONTAMINANT METALS PRESENT IN HYDROCARBON FEED

|                                               |                                                   |                                                                                                                                                                         |
|-----------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C10G25/03,<br>C10G25/05,<br>C10G7/06,<br>C10G29/ | (71)Name of Applicant :<br><b>1)Indian Oil Corporation Limited</b><br>Address of Applicant :G-9 Ali Yavar Jung Marg Bandra<br>(East) Mumbai-400 051 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72)Name of Inventor :                                                                                                                                                  |
| (32) Priority Date                            | :NA                                               | <b>1)KARTHIKEYANI Arumugam Velayutham</b>                                                                                                                               |
| (33) Name of priority country                 | :NA                                               | <b>2)KUVETTU Mohan Prabhu</b>                                                                                                                                           |
| (86) International Application No             | :NA                                               | <b>3)SARKAR Biswanath</b>                                                                                                                                               |
| Filing Date                                   | :NA                                               | <b>4)SAIDULU G.</b>                                                                                                                                                     |
| (87) International Publication No             | : NA                                              | <b>5)CHOUDHURY Shiba Prasad</b>                                                                                                                                         |
| (61) Patent of Addition to Application Number | :NA                                               | <b>6)PANDE Sudhir Kumar</b>                                                                                                                                             |
| Filing Date                                   | :NA                                               | <b>7)MAHANT Arvind</b>                                                                                                                                                  |
| (62) Divisional to Application Number         | :NA                                               | <b>8)KUMAR Brijesh</b>                                                                                                                                                  |
| Filing Date                                   | :NA                                               | <b>9)RAJAGOPAL Santanam</b>                                                                                                                                             |
|                                               |                                                   | <b>10)MALHOTRA Ravinder Kumar</b>                                                                                                                                       |

(57) Abstract :

The present invention provides an adsorbent for removal of con-carbon and contaminant metals in feed, said adsorbent composition consisting of clay in the range of 30-70 wt. % and silica in the range of 70-30 wt. %, wherein the adsorbent has a pore volume in the range of 0.25-0.45 cc/gm; a pore size in the range of 20 to 2000 ... and a bi-modal pore size distribution characteristics, with a maximum of about 32% of the adsorbent having a pore size in the range of 20-200 ... and a minimum of about 68% of the adsorbent having a pore size in the range of 200-2000 .... The present invention also provides a process for preparing the said adsorbent.

No. of Pages : 21 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2086/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :20/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN AUTOMATED RESPONSE SYSTEM FOR A TELECOMMUNICATION DEVICE

|                                               |                                       |                                                                                                                                                         |
|-----------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H04L29/08,<br>H04M1/725,<br>H04W4/02 | (71) <b>Name of Applicant :</b><br><b>1)DEWAN MOHAN</b><br>Address of Applicant :1147-B,MOHAN VILLA, SHIVAJI<br>NAGAR,PUNE-411 016. MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                   | (72) <b>Name of Inventor :</b>                                                                                                                          |
| (32) Priority Date                            | :NA                                   | <b>1)DEWAN MOHAN</b>                                                                                                                                    |
| (33) Name of priority country                 | :NA                                   |                                                                                                                                                         |
| (86) International Application No             | :NA                                   |                                                                                                                                                         |
| Filing Date                                   | :NA                                   |                                                                                                                                                         |
| (87) International Publication No             | :N/A                                  |                                                                                                                                                         |
| (61) Patent of Addition to Application Number | :NA                                   |                                                                                                                                                         |
| Filing Date                                   | :NA                                   |                                                                                                                                                         |
| (62) Divisional to Application Number         | :NA                                   |                                                                                                                                                         |
| Filing Date                                   | :NA                                   |                                                                                                                                                         |

(57) Abstract :

An automated response system configured to be implemented in a telecommunication device for facilitating a user to respond to an incoming call when the user is unable to receive or attend an incoming call. The method of implementation of the automated response system in telecommunication device includes the steps of recording of messages, identifying calling-user, prompting means, and sending a customized reply to the calling-user within a predetermined time period.

No. of Pages : 23 No. of Claims : 16



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/07/2012

(21) Application No.2088/MUM/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : WATER IONIZER

|                                               |            |
|-----------------------------------------------|------------|
| (51) International classification             | :B01D35/00 |
| (31) Priority Document No                     | :NA        |
| (32) Priority Date                            | :NA        |
| (33) Name of priority country                 | :NA        |
| (86) International Application No             | :NA        |
| Filing Date                                   | :NA        |
| (87) International Publication No             | :N/A       |
| (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)CHORDIA PRAVIN**  
Address of Applicant :90,VANDAN,VIDYASAGAR  
COLONY, SALISBURY PARK,PUNE-411037,  
MAHARASHTRA, INDIA.

(72)**Name of Inventor :**  
**1)CHORDIA PRAVIN**

(57) Abstract :

A water ionizer for separating water into acidic water and alkaline water is disclosed. The water ionizer includes an enclosure, a first chamber and a second chamber within the enclosure, a separator that defines the first chamber and a second chamber. The first chamber includes a negative electrode and a first magnet. The second chamber includes a positive electrode and a second magnet operatively coupled to the first magnet. The first electrode and the second electrode are powered by 12V DC supply. The second magnet is operatively coupled to the first magnet with its magnetic axis parallel to magnetic axis of the first magnet. The separator is provided such that a ratio of volume of alkaline water in the first chamber to acidic water in the second chamber is in the range 1:1 to 3:1. The alkaline water thus obtained has a pH value in the range 7.4 to 9.5.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2166/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : NANOCARRIERS FOR TARGETED DELIVERY OF ACTIVE AGENTS

|                                               |                                        |                                                                                                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K47/48,<br>A61P11/00,<br>A61P35/00 | (71) <b>Name of Applicant :</b><br><b>1)DEVARAJAN PADMA VENKITACHALAM</b><br>Address of Applicant :DEPARTMENT OF<br>PHARMACEUTICAL SCIENCE AND<br>TECHNOLOGY,INSTITUTE OF CHEMICAL<br>TECHNOLOGY,MATUNGA,MUMBAI-400019.<br>MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                    | (72) <b>Name of Inventor :</b>                                                                                                                                                                                                                 |
| (32) Priority Date                            | :NA                                    | <b>1)DEVARAJAN PADMA VENKITACHALAM</b>                                                                                                                                                                                                         |
| (33) Name of priority country                 | :NA                                    | <b>2)MAHESHKUMAR P SONI</b>                                                                                                                                                                                                                    |
| (86) International Application No             | :NA                                    |                                                                                                                                                                                                                                                |
| Filing Date                                   | :NA                                    |                                                                                                                                                                                                                                                |
| (87) International Publication No             | :N/A                                   |                                                                                                                                                                                                                                                |
| (61) Patent of Addition to Application Number | :NA                                    |                                                                                                                                                                                                                                                |
| Filing Date                                   | :NA                                    |                                                                                                                                                                                                                                                |
| (62) Divisional to Application Number         | :NA                                    |                                                                                                                                                                                                                                                |
| Filing Date                                   | :NA                                    |                                                                                                                                                                                                                                                |

(57) Abstract :

Nanocarriers for target specific drug delivery to manage theileriosis, comprising of at least one anti-theileirial drug and one or more lipid, wherein the nanocarriers have an average size of less than 800nm, and exhibit greater than 75% uptake collectively in the liver, spleen, lungs, bone marrow and lymph nodes of the reticuloendothelial system.The anti-theileirial drug is selected from among buparvaquone and parvaquone.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2256/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A KIT COMPRISING PHARMACEUTICAL ANTIRETROVIRAL COMPOSITIONS

|                                               |                                                   |                                                                                                                                         |
|-----------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/7068,<br>A61K31/4402,<br>A61K31/427,<br>A | (71) <b>Name of Applicant :</b><br><b>1)CIPLA LIMITED</b><br>Address of Applicant :MUMBAI CENTRAL,MUMBAI-400<br>008,MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                          |
| (32) Priority Date                            | :NA                                               | <b>1)MALHOTRA, GEENA</b>                                                                                                                |
| (33) Name of priority country                 | :NA                                               | <b>2)PURANDARE, SHIRINIVAS MADHUKAR</b>                                                                                                 |
| (86) International Application No             | :NA                                               |                                                                                                                                         |
| Filing Date                                   | :NA                                               |                                                                                                                                         |
| (87) International Publication No             | :N/A                                              |                                                                                                                                         |
| (61) Patent of Addition to Application Number | :NA                                               |                                                                                                                                         |
| Filing Date                                   | :NA                                               |                                                                                                                                         |
| (62) Divisional to Application Number         | :NA                                               |                                                                                                                                         |
| Filing Date                                   | :NA                                               |                                                                                                                                         |

(57) Abstract :

The present invention discloses pharmaceutical antiretrovirai compositions comprising at least one reverse transcriptase inhibitor and at least one protease inhibitor in the form of a kit, manufacturing process thereof and use of the said composition for the prevention, treatment and prophylaxis of diseases caused by retroviruses, especially acquired immune deficiency syndrome or an HIV infection.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2448/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : QUARTER TURN LOCKING DEVICE

|                                               |                         |                                                                                                                                                |
|-----------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :F16B21/02,<br>B66C1/66 | (71) <b>Name of Applicant :</b><br><b>1)PATIL NILESH</b><br>Address of Applicant :242/1, BOAT CLUB ROAD, PUNE -<br>411001, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     |                                                                                                                                                |
| (32) Priority Date                            | :NA                     |                                                                                                                                                |
| (33) Name of priority country                 | :NA                     | <b>2)PATIL KANCHAN</b>                                                                                                                         |
| (86) International Application No             | :NA                     | (72) <b>Name of Inventor :</b>                                                                                                                 |
| Filing Date                                   | :NA                     | <b>1)PATIL NILESH</b>                                                                                                                          |
| (87) International Publication No             | : NA                    | <b>2)PATIL KANCHAN</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 discloses a quarter turn locking device (10) comprising a hollow flanged adaptor (12), a hollow insert (14) and a latching plate (16). The hollow flanged adaptor (12) is open at both ends having a flanged lip at one end and a threaded outer surface. The hollow insert (14), having an opening at one end and a key fixture at the other end, is angularly displaceable within the hollow flanged adaptor (12). The latching plate (16) is fitted to the end of the hollow insert (14) with the opening and is angularly displaceable between a locking position and an unlocking position.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1098/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :31/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : SUPER MIXING AND GRINDING APPARATUS WITH DUAL ROTARY MECHANISM

|                                               |                                |                                                                                                                                                                            |
|-----------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B24B<br>3/36,<br>B22F<br>9/04 | (71)Name of Applicant :<br><b>1)CROMPTON GREAVES LIMITED</b><br>Address of Applicant :CG HOUSE, 6th FLOOR, DR. ANNIE<br>BESANT ROAD, WORLI, MUMBAI-40030 Maharashtra India |
| (31) Priority Document No                     | :NA                            | (72)Name of Inventor :                                                                                                                                                     |
| (32) Priority Date                            | :NA                            | <b>1)SAMUEL EKRAM</b>                                                                                                                                                      |
| (33) Name of priority country                 | :NA                            | <b>2)MAYUR NADKARNI</b>                                                                                                                                                    |
| (86) International Application No             | :NA                            | <b>3)QUTBUDDIN SIDDIQUE</b>                                                                                                                                                |
| Filing Date                                   | :NA                            | <b>4)JAI SHANKAR NIRODY</b>                                                                                                                                                |
| (87) International Publication No             | : NA                           | <b>5)ARVIND SAWARKAR</b>                                                                                                                                                   |
| (61) Patent of Addition to Application Number | :NA                            |                                                                                                                                                                            |
| Filing Date                                   | :NA                            |                                                                                                                                                                            |
| (62) Divisional to Application Number         | :NA                            |                                                                                                                                                                            |
| Filing Date                                   | :NA                            |                                                                                                                                                                            |

(57) Abstract :

A mixing and grinding apparatus comprises: (a) vessel mounted on its axis such that the axis is in an operative horizontal plane, said vessel having plurality of blades or ribs on its internal circumferential wall such that said ribs extend towards the centre of the cylindrical vessel; (b) a dual rotary mechanism consisting of: (i) cutting blade mounted in a co-axial operative horizontal manner with respect to said vessel, spaced apart from the walls of said vessel, said cutting blade being operated by a first driving means adapted to drive said cutting blade along said horizontal axis which is co-axial with said horizontal axis of said vessel; and (ii) second driving means adapted to drive said vessel by rotating said vessel along its operative horizontal axis.

No. of Pages : 17 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1360/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :29/04/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : ARCHIVAL STORAGE AND RETRIEVAL SYSTEM

|                                               |                |                                                                                                                                                                                      |
|-----------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G03B<br>23/00 | (71) <b>Name of Applicant :</b><br><b>1)TATA CONSULTANCY SERVICES LIMITED</b><br>Address of Applicant :NIRMAL BUILDING, 9th FLOOR,<br>NARIMAN POINT, MUMBAI 400021 Maharashtra India |
| (31) Priority Document No                     | :NA            |                                                                                                                                                                                      |
| (32) Priority Date                            | :NA            |                                                                                                                                                                                      |
| (33) Name of priority country                 | :NA            | (72) <b>Name of Inventor :</b>                                                                                                                                                       |
| (86) International Application No             | :NA            | <b>1)MISHRA PRATEEP</b>                                                                                                                                                              |
| Filing Date                                   | :NA            | <b>2)ROY NILANJAN</b>                                                                                                                                                                |
| (87) International Publication No             | : NA           | <b>3)NASKAR SOUMITRA</b>                                                                                                                                                             |
| (61) Patent of Addition to Application Number | :NA            |                                                                                                                                                                                      |
| Filing Date                                   | :NA            |                                                                                                                                                                                      |
| (62) Divisional to Application Number         | :NA            |                                                                                                                                                                                      |
| Filing Date                                   | :NA            |                                                                                                                                                                                      |

(57) Abstract :

A highly reliable data archival and retrieval method that enables fine grained control over data availability is implemented across a Quality of Service driven archival system, configured to fragment the data into data and parity chunks for storing onto the storage node. The technique employed by the archival system enables files to be read without having need to access any metadata, thereby tolerating complete loss of such metadata. Further, the Quality of Service driven system architecture improves upon the system performance and throughput by means of a storage node regeneration process which ensures balanced load on participating storage node during various storage, retrieval and regeneration operations.

No. of Pages : 36 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1933/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :04/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : DEPRESSURIZED-TANK TECHNIQUE FOR FOGGING MACHINE.

(51) International classification :A01D43/00,A01M1/20  
(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 :N/A  
(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)SUYOG KHADAKKAR**  
Address of Applicant :OPPOSITE NMC HOSPITAL,  
SHANTINAGAR, NAGPUR-440002 Maharashtra India  
(72)**Name of Inventor :**  
**1)SUYOG KHADAKKAR**

(57) Abstract :

This is a technique used to partially or completely remove the use of air pressure in the Fuel, Solution Tank of Fogging machines. The air pressure from engine is used to pressurize Fuel and Solution tank. This pressurized air forces the Fuel towards engine. Thus after pressurization of tank, separate supply pump is not necessary. Now a days tanks are made up of HDPE, Aluminum etc. which can explode on excessive pressure. To overcome this pressurization problem Tanks can be installed above Carburetor and Engine. Also, Fuel can be supplied to Carburetor by capillaries with multiple point fuel injections.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2465/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : COMPOSITION OF QM DERIVATIVES AND AMINES FOR CONTROL AND INHIBITION OF POLYMERIZATION OF MONOMERS, AND METHOD OF PREPARATION AND USE THEREOF

|                                               |                                                   |                                                                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C07C7/20,<br>C07B63/04,<br>C09K15/18,<br>C09K15/ | (71)Name of Applicant :<br><b>1)DORF KETAL CHEMICALS (INDIA) PRIVATE LIMITED</b><br>Address of Applicant :DORF KETAL TOWER, D'MONTE STREET, ORLEM, MALAD (W) MUMBAI - 400064, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72)Name of Inventor :<br><b>1)SUBRAMANIAM, MAHESH</b>                                                                                                                                            |
| (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 :

Title of the Invention:- Composition of quinone methide derivatives and Amines for Control and Inhibition of Polymerization of Monomers, and Method of Preparation and Use Thereof The present invention relates to additive composition for control and inhibition of polymerization of monomers including styrene, wherein the composition consists of: (a) one or more of quinone methide derivatives; and CHARACTERIZED IN THAT the composition further comprises: (b) one or more of tertiary amines, wherein said tertiary amine is selected from a group consisting of: (i) tri isopropanol amine (TIPA), (ii) N,N,N',N'-Tetrakis (2-hydroxyethyl) ethylene-diamine) (THEED), and (iii) mixture thereof. In one embodiment, the present invention relates to method of preparation thereof and uses thereof, and a method for controlling and inhibiting polymerization of monomers including styrene.

No. of Pages : 36 No. of Claims : 33



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2057/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR PREPARATION OF A SOLID OLIGOMERIZATION CATALYST AND APPLICATIONS THEREOF

|                                               |                          |                                                                                                                                                                                              |
|-----------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B01J31/18,<br>B01J31/16 | (71)Name of Applicant :<br><b>1)BHARAT PETROLEUM CORPORATION LIMITED</b><br>Address of Applicant :BHARAT BHAVAN 4&6<br>CURRIMBHOY ROAD, BALLARD ESTATE, MUMBAI-<br>400001. Maharashtra India |
| (31) Priority Document No                     | :NA                      | (72)Name of Inventor :                                                                                                                                                                       |
| (32) Priority Date                            | :NA                      | <b>1)RAY, SAPTARSHI</b>                                                                                                                                                                      |
| (33) Name of priority country                 | :NA                      | <b>2)TYAGI, SUDHA</b>                                                                                                                                                                        |
| (86) International Application No             | :NA                      | <b>3)VISWANATHAN, POYYAMANI SWAMINATHAN</b>                                                                                                                                                  |
| Filing Date                                   | :NA                      |                                                                                                                                                                                              |
| (87) International Publication No             | :N/A                     |                                                                                                                                                                                              |
| (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 provides a process for preparation of a solid oligomerization catalyst, comprising: treating a catalyst carrier with an activating agent to obtain an activated catalyst carrier, wherein the catalyst carrier is an oxide of an element selected from the group consisting of group III, group IV element of the periodic table and mixtures thereof; reacting the activated catalyst carrier with a metal trihalide catalyst in a hydrocarbon solvent to obtain a reaction mixture, wherein the metal trihalide catalyst contains a metal of group III of the periodic table; and removing the hydrocarbon solvent from the reaction mixture to obtain the solid oligomerization catalyst. The present disclosure also provides a process for oligomerization of olefins using the solid oligomerization catalyst.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/08/2012

(21) Application No.2217/MUM/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : 1. THE NOVEL REFERENCE MARKERS FOR DEFERASIROX

|                                               |                                            |
|-----------------------------------------------|--------------------------------------------|
| (51) International classification             | :A61P31/10,<br>A61K31/4196,<br>A61K31/7048 |
| (31) Priority Document No                     | :NA                                        |
| (32) Priority Date                            | :NA                                        |
| (33) Name of priority country                 | :NA                                        |
| (86) International Application No             | :NA                                        |
| Filing Date                                   | :NA                                        |
| (87) International Publication No             | : NA                                       |
| (61) Patent of Addition to Application Number | :NA                                        |
| Filing Date                                   | :NA                                        |
| (62) Divisional to Application Number         | :NA                                        |
| Filing Date                                   | :NA                                        |

(71)Name of Applicant :

**1)Alembic Pharmaceuticals Limited**

Address of Applicant :Alembic Research Centre Alembic  
Pharmaceuticals Limited Alembic Road Vadodara-390003  
MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)JAYARAMAN Venkatraman**

**2)BALAJI Sundara kalyana**

**3)PATEL Samir**

**4)SHAH Hiral**

**5)BOBBILI Veerabhadrrao**

**6)PARMAR Darshan**

(57) Abstract :

The present invention relates to novel compounds useful as reference markers for the analysis of Deferasirox and pharmaceutical formulations thereof. The present invention deals with the new impurities of Deferasirox i.e. impurity E and impurity F Process for preparing and isolating thereof includes methods of analytic control of the production process and quality of the target substance.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2503/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : HYDROTREATING CATALYST AND PROCESS FOR PREPARING THE SAME

|                                               |                                                   |                                                                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B01J23/85,<br>B01J23/88,<br>B01J35/10,<br>C10G11 | (71) <b>Name of Applicant :</b><br><b>1)Indian Oil Corporation Limited</b><br>Address of Applicant :G-9 Ali Yavar Jung Marg Bandra<br>(East) Mumbai-400 051 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                  |
| (32) Priority Date                            | :NA                                               | <b>1)XAVIER Kochappilly Ouseph</b>                                                                                                                                              |
| (33) Name of priority country                 | :NA                                               | <b>2)PULIKOTTIL Alex Cheru</b>                                                                                                                                                  |
| (86) International Application No             | :NA                                               | <b>3)KUVETTU Mohan Prabhu</b>                                                                                                                                                   |
| Filing Date                                   | :NA                                               | <b>4)KUMAR Brijesh</b>                                                                                                                                                          |
| (87) International Publication No             | : NA                                              | <b>5)RAJAGOPAL Santanam</b>                                                                                                                                                     |
| (61) Patent of Addition to Application Number | :NA                                               | <b>6)MALHOTRA Ravinder Kumar</b>                                                                                                                                                |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                 |
| (62) Divisional to Application Number         | :NA                                               |                                                                                                                                                                                 |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                 |

(57) Abstract :

The current invention provides a hydrotreating catalyst comprising of metals of at least one each from Group VIB, preferably molybdenum and Group VIII, preferably nickel, of the periodic table supported on alumina modified with small amounts of modifying elements well dispersed on the surface so as to retain the physico-chemical characteristics of the support and result in high performance for hydrodesulphurization catalyst, and a commercially viable process for producing such a catalyst. The present invention also discloses a commercially viable method for modifying alumina in the powder form without affecting the porous structure of the support obtained.

No. of Pages : 33 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2504/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ADDITIVE COMPOSITION TO IMPROVE COMBUSTION AND REDUCE ENGINE DEPOSITS FOR PETROLEUM FUELS

|                                               |                                     |                                                                                                                                                                         |
|-----------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C10L1/22,<br>C10L1/14,<br>F02B3/06 | (71)Name of Applicant :<br><b>1)Indian Oil Corporation Limited</b><br>Address of Applicant :G-9 Ali Yavar Jung Marg Bandra<br>(East) Mumbai-400 051 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                 | (72)Name of Inventor :                                                                                                                                                  |
| (32) Priority Date                            | :NA                                 | <b>1)CHAKRADHAR Maya</b>                                                                                                                                                |
| (33) Name of priority country                 | :NA                                 | <b>2)CHAND Subhash</b>                                                                                                                                                  |
| (86) International Application No             | :NA                                 | <b>3)SWAMY Krishan Kumar</b>                                                                                                                                            |
| Filing Date                                   | :NA                                 | <b>4)PRASAD Rameshwar</b>                                                                                                                                               |
| (87) International Publication No             | : NA                                | <b>5)VANAMAMALAI Mahalingam</b>                                                                                                                                         |
| (61) Patent of Addition to Application Number | :NA                                 | <b>6)GUPTA Anurag Ateet</b>                                                                                                                                             |
| Filing Date                                   | :NA                                 | <b>7)RAJAGOPAL Santanam</b>                                                                                                                                             |
| (62) Divisional to Application Number         | :NA                                 | <b>8)MALHOTRA Ravinder Kumar</b>                                                                                                                                        |
| Filing Date                                   | :NA                                 |                                                                                                                                                                         |

(57) Abstract :

The present invention relates to a fuel additive composition comprising a synergistic combination of detergent and cetane improver which is effective in improving the combustibility of fuel, removing deposits from dirty diesel fuel injectors and keeping these injectors clean and thereby improving the fuel economy of the diesel fuel /crude oil. The additive system prevents formation of the deposit or removes such deposits once they have formed and simultaneously improves the ignition delay of diesel fuel for better fuel economy benefits without effecting the fuel properties and process for preparing the same. The present invention also relates to a process for preparing the fuel additive composition. The present invention further relates to a fuel composition containing the fuel additive composition as mentioned above and a process for preparing such fuel composition and a process of combustion of such fuel composition.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1692/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :11/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CUSTARD APPLE SEED EXTRACTOR

|                                               |                                 |                                                                                                                                                           |
|-----------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A23N<br>15/00,<br>A23N<br>1/00 | (71)Name of Applicant :<br><b>1)DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH</b><br>Address of Applicant :KRISHI NAGAR, AKOLA-444 104,<br>MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                             | (72)Name of Inventor :                                                                                                                                    |
| (32) Priority Date                            | :NA                             | <b>1)PRAMOD HARIBHAU BAKANE</b>                                                                                                                           |
| (33) Name of priority country                 | :NA                             |                                                                                                                                                           |
| (86) International Application No             | :NA                             |                                                                                                                                                           |
| Filing Date                                   | :NA                             |                                                                                                                                                           |
| (87) International Publication No             | :N/A                            |                                                                                                                                                           |
| (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 the development of custard seed extractor which separates the seeds from the custard apple pulp. Separation of seeds from the pulp of custard apple is a major constraint in processing of custard apple. Present practice of removing seeds from pulp of custard apple is manual which increases microbial load, dis-colouration of pulp due to longer expose to air and time consuming. The custard apple seed extractor comprises of a brush type roller rotating inside perforated cylinder. De-seeded pulp is passing through the perforation of sieve and collects at the bottom of the machine. The seed outlet to collect the custard apple seeds separated from its pulp is provided at lower end of perforated cylinder. The slope is provided to the machine with the horizontal so that this slope helps the seeds to travel easily towards the seed outlet by the gravity.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2284/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : UTILITY BOX INSIDE THE BOXY STRUCTURE OF A VEHICLE

|                                               |                         |                                                                                                                                                                                                       |
|-----------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B62J9/00,<br>B62K19/46 | (71) <b>Name of Applicant :</b><br><b>1)MAHINDRA &amp; MAHINDRA LIMITED</b><br>Address of Applicant :R & D CENTER, AUTOMOTIVE<br>SECTOR, 89, M.I.D.C., SATPUR, NASHIK-422 007,<br>MAHARASHTRA, 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)KAISARE, SUDESH VINAYAK</b>                                                                                                                                                                      |
| (87) International Publication No             | :N/A                    | <b>2)SENRAYAPERUMAL, SAKTHIVEL</b>                                                                                                                                                                    |
| (61) Patent of Addition to Application Number | :NA                     | <b>3)GODSE, KEDAR PRAKASH</b>                                                                                                                                                                         |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                       |
| (62) Divisional to Application Number         | :NA                     |                                                                                                                                                                                                       |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                       |

(57) Abstract :

The invention relates to an utility box inside the body structure of a vehicle packaged behind the Rear Door inside Body Side Outer 3, at RHS and/or LHS. The said utility box comprises an Utility Box Panel 4 having front side and rear side. The said front end rigidly fixed to the said Body Side Outer 3 from inside. The said rear side of utility box panel rigidly fixed with C Pillar Reinforcement 6 with Seat Belt Anchorage Reinforcement 5 sandwiched. The extension of said C pillar 7 rigidly fixed to C pillar panel 8. The front side of the said utility box accessible through an opening in the said body side outer. An utility box lid 1 cover provided to the said opening locking means.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2285/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : STORAGE MANAGEMENT IN VEHICLE BETWEEN CARGO AND CHASSIS OF A VEHICLE

|                                               |                                                   |                                                                                                                                                                                                       |
|-----------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B62D47/00,<br>B60R22/18,<br>B62D25/04,<br>B60N2/ | (71) <b>Name of Applicant :</b><br><b>1)MAHINDRA &amp; MAHINDRA LIMITED</b><br>Address of Applicant :R & D CENTER, AUTOMOTIVE<br>SECTOR, 89, M.I.D.C., SATPUR, NASHIK-422 007,<br>MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                                        |
| (32) Priority Date                            | :NA                                               | <b>1)VAIRAGKAR, KIRAN BHALCHANDRA</b>                                                                                                                                                                 |
| (33) Name of priority country                 | :NA                                               | <b>2)KULKARNI, HEMANT BHAGWAT</b>                                                                                                                                                                     |
| (86) International Application No             | :NA                                               | <b>3)PARBAT, KIRAN SHANKAR</b>                                                                                                                                                                        |
| Filing Date                                   | :NA                                               | <b>4)SINGH, RAJ KUMAR</b>                                                                                                                                                                             |
| (87) International Publication No             | :N/A                                              |                                                                                                                                                                                                       |
| (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 management in between cargo and chassis 4 of an automobile vehicle. The said storage management comprising a cargo with tailgate 3 having bed floor 7, supported on two longitudinal members and a series of cross members,(5,6) at distant, with cargo mount 8 clamped to outriggers 9 fixed to the said chassis. One or more fixed or slide able utility boxes 10, for storage of solid/liquid items, with controlled/non controlled climate, provided in the space available between cargo bed floor and chassis of the vehicle .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2588/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :06/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR THE PREPARATION OF MIRABEGRON

|                                               |                           |                                                                                                                                                                                                          |
|-----------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C07D277/40,<br>A61P13/00 | (71)Name of Applicant :<br><b>1)CADILA HEALTHCARE LIMITED</b><br>Address of Applicant :PLOT NO. 26 TO 29 & 31,<br>DABHASA-UMARAYA ROAD VILL. DABHASA-391440<br>TAL. PADRA, DIST. VADODARA, Gujarat India |
| (31) Priority Document No                     | :NA                       |                                                                                                                                                                                                          |
| (32) Priority Date                            | :NA                       |                                                                                                                                                                                                          |
| (33) Name of priority country                 | :NA                       |                                                                                                                                                                                                          |
| (86) International Application No             | :NA                       | (72)Name of Inventor :                                                                                                                                                                                   |
| Filing Date                                   | :NA                       | <b>1)DWIVEDI SHRI PRAKASH DHAR</b>                                                                                                                                                                       |
| (87) International Publication No             | : NA                      | <b>2)SINGH RAMESH CHANDRA</b>                                                                                                                                                                            |
| (61) Patent of Addition to Application Number | :NA                       | <b>3)RAVAL JIGAR MUKUNDBHAI</b>                                                                                                                                                                          |
| Filing Date                                   | :NA                       |                                                                                                                                                                                                          |
| (62) Divisional to Application Number         | :NA                       |                                                                                                                                                                                                          |
| Filing Date                                   | :NA                       |                                                                                                                                                                                                          |

(57) Abstract :

The present invention relates to mirabegron and process of its preparation. The present invention provides the process of preparation of amorphous form or crystalline form of mirabegron. The present invention also provide a pharmaceutical composition comprising amorphous mirabegron substantially free from crystalline form. The present invention also relates to a pharmaceutical composition comprising crystalline mirabegron.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1069/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :31/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : POLY-(ALKYL UNDECYLENATE-CO-ALKYLMALEIMIDE) AS POUR POINT DEPRESSANT FOR OILS

|                                               |                 |                                                              |
|-----------------------------------------------|-----------------|--------------------------------------------------------------|
| (51) International classification             | :C07D<br>207/00 | (71)Name of Applicant :<br><b>1)CROMPTON GREAVES LIMITED</b> |
| (31) Priority Document No                     | :NA             | Address of Applicant :CG HOUSE, 6TH FLOOR, DR.               |
| (32) Priority Date                            | :NA             | ANNIE BESANT ROAD, WORLI, MUMBAI 400 030,                    |
| (33) Name of priority country                 | :NA             | MAHARASHTRA, INDIA.                                          |
| (86) International Application No             | :NA             | (72)Name of Inventor :                                       |
| Filing Date                                   | :NA             | <b>1)CHAUDHARI SUSHIL EKANATH</b>                            |
| (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 :

Poly(alkyl undecylenate -co-alkylmaleimide) having general formula (I); Formula (I) Poly(alkyl undecylenate -co-alkylmaleimide) wherein R represent C10 to C22 straight chain aliphatic alkyl group; X represents number of -CH2- units and n represents number of operating units having pour point depressant activity in oil. A method for the preparation of poly(alkyl undecylenate -co-alkylmaleimide) having general formula (I) is also disclosed herein.

No. of Pages : 27 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1993/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND APPARATUS FOR OPTIMIZING AND SCALING CONTROL PLANE TRAFFIC IN CARRIER ETHERNET TRANSPORT NETWORKS

|                                               |                          |                                                                                                                                                 |
|-----------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H04L12/24,<br>H04L 5/18 | (71)Name of Applicant :<br><b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b><br>Address of Applicant :POWAI MUMBAI 400076,<br>MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                      | (72)Name of Inventor :                                                                                                                          |
| (32) Priority Date                            | :NA                      | <b>1)MEHTA SAURABH</b>                                                                                                                          |
| (33) Name of priority country                 | :NA                      | <b>2)GUMASTE ASHWIN</b>                                                                                                                         |
| (86) International Application No             | :NA                      |                                                                                                                                                 |
| Filing Date                                   | :NA                      |                                                                                                                                                 |
| (87) International Publication No             | :N/A                     |                                                                                                                                                 |
| (61) Patent of Addition to Application Number | :NA                      |                                                                                                                                                 |
| Filing Date                                   | :NA                      |                                                                                                                                                 |
| (62) Divisional to Application Number         | :NA                      |                                                                                                                                                 |
| Filing Date                                   | :NA                      |                                                                                                                                                 |

(57) Abstract :

Methods and apparatuses for merging continuity check messages (CCMs) are described. Some embodiments determine multiplexer and de-multiplexer nodes in a network for multiplexing and de-multiplexing CCM traffic. One embodiment creates an optimization problem which when solved identifies nodes in the network that should be configured as multiplexer nodes to multiplex multiple CCMs into a group CCM and/or as de-multiplexer nodes to de-multiplex a group CCM into multiple CCMs. This embodiment uses the solution of the optimization problem to configure nodes in the network as multiplexer nodes and/or as de-multiplexer nodes. Another embodiment determines weights for different paths in the network that can be used for merging CCM traffic, and then merges the CCM traffic based on these weights.

No. of Pages : 33 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1996/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PREFILLED SYRINGES FOR HEPARIN

|                                               |                        |                                                                                                                                                                                        |
|-----------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C08L5/10,<br>A61M5/31 | (71) <b>Name of Applicant :</b><br><b>1)AGRAWAL Pawan</b><br>Address of Applicant :F 22 Akash Tower Opp: Premchand<br>Nagar Judges Bungalows Road Satellite Ahmedabad Gujarat<br>India |
| (31) Priority Document No                     | :NA                    |                                                                                                                                                                                        |
| (32) Priority Date                            | :NA                    |                                                                                                                                                                                        |
| (33) Name of priority country                 | :NA                    |                                                                                                                                                                                        |
| (86) International Application No             | :NA                    | <b>2)AGARWAL Zameer</b>                                                                                                                                                                |
| Filing Date                                   | :NA                    | (72) <b>Name of Inventor :</b>                                                                                                                                                         |
| (87) International Publication No             | : NA                   | <b>1)AGRAWAL Pawan</b>                                                                                                                                                                 |
| (61) Patent of Addition to Application Number | :NA                    | <b>2)AGARWAL Zameer</b>                                                                                                                                                                |
| Filing Date                                   | :NA                    |                                                                                                                                                                                        |
| (62) Divisional to Application Number         | :NA                    |                                                                                                                                                                                        |
| Filing Date                                   | :NA                    |                                                                                                                                                                                        |

(57) Abstract :

Pre-filled syringes for heparin are provided wherein the said prefilled syringes for heparin are Stacked Needle type heparin prefilled syringe or Luer-lock type heparin prefilled syringe. The present prefilled syringes for heparin are ready to use containing pre-diluted dose of heparin. This enables heparin to be administered with no risk of microbial or particulate contamination. There are no separate ampoules required for the heparin or the sterile water. Therefore, only syringes are to be manufactured and disposed after use. Therefore manufacturing cost is considerably reduced making the present prefilled syringes for heparin economical. This also makes it easy to handle and reduces the medical wastage.

No. of Pages : 19 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2649/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PRECURSOR FOR CATALYST, PROCESS FOR PREPARING THE SAME AND ITS USE THEREOF

(51) International classification

:C07F7/00,  
C08F4/654

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)SINGH Gurmeet**

**2)BANTU Bhasker**

**3)KAUR Sukhdeep**

**4)KUMAR Naresh**

**5)KAPUR Gurpreet Singh**

**6)Shashikant**

**7)BASU Biswajit**

**8)MALHOTRA Ravinder Kumar**

(57) Abstract :

The present invention provides a liquid organomagnesium precursor having formula  $\{Mg(OR)X\}.a\{MgX_2\}.b\{Mg(OR)_2\}.c\{ROH\}$ , wherein R is selected from a hydrocarbon group, X is selected from a halide group, and a:b:c is in range of 0.1-99.8 : 0.1-99.8 : 0.1-99.8. and a process for preparing the same. The said process comprises contacting a magnesium source with an organohalide and alcohol in a solvent to form the liquid organomagnesium precursor. The present invention also provides a catalyst system using the organomagnesium precursor and its use thereof for polymerization of olefins.

No. of Pages : 39 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2439/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :22/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION OF CINACALCET

|                                               |                          |                                                                                                                                             |
|-----------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/137,<br>A61K9/14 | (71) <b>Name of Applicant :</b><br><b>1)CIPLA LIMITED</b><br>Address of Applicant :MUMBAI CENTRAL, MUMBAI - 400<br>008, MAHARASHTRA, 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><br><b>1)MALHOTRA, GEENA</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 :

The present invention discloses a pharmaceutical composition comprising cinacalcet, a process for preparing such a pharmaceutical composition, and use of the said pharmaceutical composition. The pharmaceutical composition of the present invention specifically discloses liquid and semi-solid compositions of cinacalcet or compositions wherein such liquid and semi-solid compositions are encapsulated in soft or hard gelatin capsules.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2545/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : MULTI-UTILITY ILLUMINATION DEVICE

|                                               |                                                   |                                                                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :F21S9/03,<br>F21V19/02,<br>F21S9/04,<br>F21Y101/ | (71) <b>Name of Applicant :</b><br><b>1)Indian Oil Corporation Limited</b><br>Address of Applicant :G-9 Ali Yavar Jung Marg Bandra<br>(East) Mumbai-400 051 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                  |
| (32) Priority Date                            | :NA                                               | <b>1)SRIVASTVA Umish</b>                                                                                                                                                        |
| (33) Name of priority country                 | :NA                                               | <b>2)DIKSHIT Vibhav</b>                                                                                                                                                         |
| (86) International Application No             | :NA                                               | <b>3)JAIN Vivek Sheel</b>                                                                                                                                                       |
| Filing Date                                   | :NA                                               | <b>4)SARANGI Satish Kumar</b>                                                                                                                                                   |
| (87) International Publication No             | : NA                                              | <b>5)MALHOTRA Ravinder Kumar</b>                                                                                                                                                |
| (61) Patent of Addition to Application Number | :NA                                               |                                                                                                                                                                                 |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                 |
| (62) Divisional to Application Number         | :NA                                               |                                                                                                                                                                                 |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                 |

(57) Abstract :

The Multi Utility illumination device (100) comprises a hollow housing (105) defined by top and bottom surfaces of quadrilateral shape and a number of lateral surfaces. A power supply unit comprising a power source and an electronic circuit located within the housing (105). A LED based lighting structure (110) is located on the top surface of the housing (105) and a transparent member (115) is connected to the top surface of the housing (105) and covers the lighting structure (110). The lighting structure (110) includes a LED based lighting column (1400) and a diffuser (1200) surrounding the lighting column (1400). A first handle (205) is provided on a lateral surface of the housing (105) and a second handle (410) is provided on a bottom surface of the housing (105). A switching device (405) is located on a lateral surface adjacent to the lateral surface having the first handle (205).

No. of Pages : 34 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2658/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : DIGITAL CONTROLLER TECHNIQUES FOR POWER SWITCHES.

|                                               |                        |
|-----------------------------------------------|------------------------|
| (51) International classification             | :H02M3/00,<br>G05F1/00 |
| (31) Priority Document No                     | :NA                    |
| (32) Priority Date                            | :NA                    |
| (33) Name of priority country                 | :NA                    |
| (86) International Application No             | :NA                    |
| Filing Date                                   | :NA                    |
| (87) International Publication No             | : NA                   |
| (61) Patent of Addition to Application Number | :NA                    |
| Filing Date                                   | :NA                    |
| (62) Divisional to Application Number         | :NA                    |
| Filing Date                                   | :NA                    |

(71)**Name of Applicant :**  
**1)YAGNESH SHUKLA**  
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ANAND Gujarat India  
**2)PRATIP PATEL**  
(72)**Name of Inventor :**  
**1)YAGNESH SHUKLA**  
**2)PRATIP PATEL**

(57) Abstract :

The amount and complexity of digital controller for power electronic systems is continually increasing. Consequently, more and more efforts are dedicated to the development of digital controller design and verification and simulation with the controlled power system. Some digital controllers have been implemented using Digital Signal Processor devices. Due to the advance of technology of Field Programmable Gate Array (FPGA) devices and Integrated Circuits (IC), the digital controller can be implemented in only one digital circuit. This implementation can be achieved using Very high speed integrated circuit Hardware Description Language (VHDL). However, a suited methodology, described in this invention, must be used to perform a reliable design and realize satisfactory time to market. The most efficient method of controlling the gain (and output voltage) is to incorporate pulse-width modulation (PWM) control within the inverters. There are many forms of modulation used for communicating information. When a high frequency signal has amplitude varied in response to a lower frequency signal we have AM (amplitude modulation). When the signal frequency is varied in response to the modulating signal we have FM (frequency modulation). These signals are used for radio modulation because the high frequency carrier signal is needed for efficient radiation of the signal. When communication by pulses was introduced, the amplitude, frequency and pulse width become possible modulation options. In many power electronic converters where the output voltage can be one of two values the only option is modulation of average conduction time. The PWM modulator design is based on the Xilinx Spartan 3 XC3s400 FPGA and performance is verified with the prototype inverter. Digital controllers can offer a number of advantages in dc-dc power converters, and various analyses, design and implementation aspects of this emerging area are receiving increasing attention. Advanced power management techniques rely on integration of power control and conversion functions with digital systems. Compensator and protection features can be programmable, reducing or eliminating the need for passive components for tuning. As a result, the same digital controller hardware can be used with a range of power converter configurations and power-stage parameter values.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2191/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :31/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF AZILSARTAN MEDOXOMIL AND INTERMEDIATES THEREOF

|                                               |                            |                                                                                                                                                                                                                              |
|-----------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C07D413/14,<br>C07D413/10 | (71)Name of Applicant :<br><b>1)CADILA HEALTHCARE LIMITED</b><br>Address of Applicant :CADILA HEALTHCARE LTD; PLOT<br>NO.26-29 & 31, DABHASA-UMARAYA ROAD,<br>VILL.DABHASA-391440, TAL.PADRA,DIST.VADODARA,<br>Gujarat India |
| (31) Priority Document No                     | :NA                        |                                                                                                                                                                                                                              |
| (32) Priority Date                            | :NA                        |                                                                                                                                                                                                                              |
| (33) Name of priority country                 | :NA                        |                                                                                                                                                                                                                              |
| (86) International Application No             | :NA                        |                                                                                                                                                                                                                              |
| Filing Date                                   | :NA                        | (72)Name of Inventor :                                                                                                                                                                                                       |
| (87) International Publication No             | :N/A                       | <b>1)DWIVEDI SHRIPRAKASH DHAR</b>                                                                                                                                                                                            |
| (61) Patent of Addition to Application Number | :NA                        | <b>2)SINGH KUMAR KAMLESH</b>                                                                                                                                                                                                 |
| Filing Date                                   | :NA                        | <b>3)GAJERA JITENDRA MAGANBHAI</b>                                                                                                                                                                                           |
| (62) Divisional to Application Number         | :NA                        |                                                                                                                                                                                                                              |
| Filing Date                                   | :NA                        |                                                                                                                                                                                                                              |

(57) Abstract :

The present invention provides a process for the preparation of azilsartan medoxomil of formula A. The invention also provides a process for the preparation of intermediates of azilsartan medoxomil.

No. of Pages : 31 No. of Claims : 26



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2278/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :08/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF SITAGLIPTIN OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF

|                                               |             |                                                 |
|-----------------------------------------------|-------------|-------------------------------------------------|
| (51) International classification             | :C07D487/04 | (71)Name of Applicant :                         |
| (31) Priority Document No                     | :NA         | <b>1)CIPLA LIMITED</b>                          |
| (32) Priority Date                            | :NA         | Address of Applicant :MUMBAI CENTRAL,MUMBAI-400 |
| (33) Name of priority country                 | :NA         | 008,MAHARASHTRA, INDIA.                         |
| (86) International Application No             | :NA         | (72)Name of Inventor :                          |
| Filing Date                                   | :NA         | <b>1)RAO, DHARMARAJ RAMACHANDRA</b>             |
| (87) International Publication No             | :N/A        | <b>2)KANKAN, RAJENDRA NARAYANRAO</b>            |
| (61) Patent of Addition to Application Number | :NA         | <b>3)GHAGARE, MARUTI</b>                        |
| Filing Date                                   | :NA         | <b>4)KADAM, SWATI ATUL</b>                      |
| (62) Divisional to Application Number         | :NA         |                                                 |
| Filing Date                                   | :NA         |                                                 |

(57) Abstract :

There is provided a process for the preparation of sitagliptin or a pharmaceutically acceptable salt thereof, and a process for the preparation of intermediate compounds useful in the preparation of sitagliptin. In particular, there is provided a process comprising condensing 3-tert-butoxycarbonylamino-4-(2,4,5-trifluorophenyl) butyric acid of formula (II) with 3-(trifluoromethyl)-5,6,7,8-tetrahydro-[1,2,4]triazolo[4,3-a] pyrazine of formula (III) or a salt thereof in presence of a catalyst to obtain (R)-tert-butyl-4-oxo-4-(3-(trifluoromethyl)-5,6-dihydro-[1,2,4]-triazolo[4,3-a]pyrazin-7(8H)-yl)-1-(2,4,5-trifluorophenyl)butan-2-yl-carbamate of formula (IV) or a pharmaceutically acceptable salt thereof. The catalyst is represented by the compound of formula (V). Compound of formula (IV) or its pharmaceutically acceptable salt obtained may be deprotected to obtain a compound of formula (I).

No. of Pages : 27 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2373/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :16/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION OF PROPOFOL

|                                               |                                                   |                                                                                                                                                                                 |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K47/34,<br>A61K9/19,<br>A61K47/10,<br>A61K47/ | (71) <b>Name of Applicant :</b><br><b>1)EMCURE PHARMACEUTICALS LIMITED</b><br>Address of Applicant :EMCURE HOUSE, T-184, M.I.D.C.,<br>BHOSARI, PUNE-411026, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                  |
| (32) Priority Date                            | :NA                                               | <b>1)PRAMANICK SOUGATA</b>                                                                                                                                                      |
| (33) Name of priority country                 | :NA                                               | <b>2)GURJAR MUKUND KESHAV</b>                                                                                                                                                   |
| (86) International Application No             | :NA                                               | <b>3)MEHTA SAMIT SATISH</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 :

The present invention relates to a stable injectable emulsion formulation of Propofol having uniform droplet size, which is obtained at a pH above 8.5 and by avoiding a rotary sterilizer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2470/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :25/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ANTIBACTERIAL COMPOUNDS

|                                               |                         |                                                                                                                                                                |
|-----------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K8/34,<br>A61Q11/00 | (71)Name of Applicant :<br><b>1)WOCKHARDT LIMITED</b><br>Address of Applicant :D-4 MIDC Industrial area<br>Chikalthana Aurangabad - 431210 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     | (72)Name of Inventor :                                                                                                                                         |
| (32) Priority Date                            | :NA                     | <b>1)Patel Mahesh Vithalbhai</b>                                                                                                                               |
| (33) Name of priority country                 | :NA                     | <b>2)Bhawasari Satish</b>                                                                                                                                      |
| (86) International Application No             | :NA                     | <b>3)Raikar Sanjay</b>                                                                                                                                         |
| Filing Date                                   | :NA                     | <b>4)Dabhade Sanjay Kisan</b>                                                                                                                                  |
| (87) International Publication No             | : NA                    | <b>5)Pavase Laxmikant</b>                                                                                                                                      |
| (61) Patent of Addition to Application Number | :NA                     | <b>6)Gupta Sunil</b>                                                                                                                                           |
| Filing Date                                   | :NA                     | <b>7)Mishra Amit</b>                                                                                                                                           |
| (62) Divisional to Application Number         | :NA                     | <b>8)Kale Rajesh</b>                                                                                                                                           |
| Filing Date                                   | :NA                     | <b>9)Yeole Ravindra Dattatraya</b>                                                                                                                             |
|                                               |                         | <b>10)Bhagwat Sachin</b>                                                                                                                                       |

(57) Abstract :

Compounds of Formula (I) their preparation and use in preventing or treating bacterial infections are disclosed.

No. of Pages : 45 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/08/2012

(21) Application No.2471/MUM/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : ANTIBACTERIAL COMPOUNDS

|                                               |                         |                                                                                                                                           |
|-----------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K8/34,<br>A61Q11/00 | (71)Name of Applicant :<br><b>1)WOCKHARDT LIMITED</b><br>Address of Applicant :D-4 MIDC Area Chikalhana<br>Aurangabad MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     | (72)Name of Inventor :                                                                                                                    |
| (32) Priority Date                            | :NA                     | <b>1)Patil Vijaykumar Jagdishwar</b>                                                                                                      |
| (33) Name of priority country                 | :NA                     | <b>2)Tadiparthi Ravikumar</b>                                                                                                             |
| (86) International Application No             | :NA                     | <b>3)Dhond Bharat</b>                                                                                                                     |
| Filing Date                                   | :NA                     | <b>4)Kale Amol</b>                                                                                                                        |
| (87) International Publication No             | : NA                    | <b>5)Loganathan V.</b>                                                                                                                    |
| (61) Patent of Addition to Application Number | :NA                     | <b>6)Dekhane Deepak</b>                                                                                                                   |
| Filing Date                                   | :NA                     | <b>7)Birajdar Satish</b>                                                                                                                  |
| (62) Divisional to Application Number         | :NA                     | <b>8)Shaikh Mohammad Usman</b>                                                                                                            |
| Filing Date                                   | :NA                     | <b>9)Maurya Sushilkumar</b>                                                                                                               |
|                                               |                         | <b>10)Patel Piyush Ambalal</b>                                                                                                            |
|                                               |                         | <b>11)Dixit Prasad</b>                                                                                                                    |
|                                               |                         | <b>12)Pawar Mangesh</b>                                                                                                                   |
|                                               |                         | <b>13)Patel Mahesh Vithalbhai</b>                                                                                                         |
|                                               |                         | <b>14)Bhagwat Sachin</b>                                                                                                                  |

(57) Abstract :

Compounds of Formula (I) their preparation and use in preventing or treating bacterial infections are disclosed.

No. of Pages : 62 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3078/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :01/11/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : MAGNETIC FIELD SHIELDING USING FERROMAGNETIC PLATES AROUND CONDUCTORS FOR USE IN CIRCUIT BREAKERS

|                                               |            |                                                         |
|-----------------------------------------------|------------|---------------------------------------------------------|
| (51) International classification             | :H01H33/02 | (71)Name of Applicant :                                 |
| (31) Priority Document No                     | :NA        | <b>1)LARSEN &amp; TOUBRO LIMITED</b>                    |
| (32) Priority Date                            | :NA        | Address of Applicant :L & T House Ballard Estate Mumbai |
| (33) Name of priority country                 | :NA        | 400 001 State of MAHARASHTRA, INDIA.                    |
| (86) International Application No             | :NA        | (72)Name of Inventor :                                  |
| Filing Date                                   | :NA        | <b>1)GUPTA Amit;</b>                                    |
| (87) International Publication No             | : NA       | <b>2)TOMAR Brajesh Singh;</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 generally to a system for magnetic field shielding using ferromagnetic plates around conductors for use in circuit breakers comprising a plurality of ferromagnetic plates assembled in the slots provided on the back side of the housing which accommodates conductor paths. It can be used in all kind of transmission and distribution Circuit Breakers having various size, shapes and current carrying capacities of conductor paths. Though the arrangement is more effective for three phase configuration, a reduced efficiency can be achieved for any number of phases by repeating the arrangement of middle conductor path for all inner paths. Further the arrangement can be used for upper terminals and lower terminals as well as according to the requirement.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1109/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :31/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : A HERBAL FORMULATION FOR TREATMENT OF SILENT ESTRUS

|                                               |                          |                                                                                                                                                                            |
|-----------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :a61k36/00,<br>A61P15/08 | (71) <b>Name of Applicant :</b><br><b>1)CHAGANBHAI LAKHABAHI RAVAD</b><br>Address of Applicant :KARVAI, (KARVAI KAMPA),<br>TALUK, KADANA, PANCHMAHAL-389240, Gujarat India |
| (31) Priority Document No                     | :NA                      | (72) <b>Name of Inventor :</b>                                                                                                                                             |
| (32) Priority Date                            | :NA                      | <b>1)RAVAD CHAGANBHAI LAKHABAHI</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 :

The present invention to provide a herbal formulation for the treatment of retention of silent estrus in animals. The herbal formulation of present invention is prepared from Aristolochia bracteolata, Cassia fistula and Artocarpus heterophyllus. The herbal composition used in present invention provides relief to animals without any side effect. The present invention provides an effective and low cost method for treatment of silent estrus.

No. of Pages : 8 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1989/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : DIGI OFFICE

|                                               |           |                                                 |
|-----------------------------------------------|-----------|-------------------------------------------------|
| (51) International classification             | :G06T1/00 | (71) <b>Name of Applicant :</b>                 |
| (31) Priority Document No                     | :NA       | <b>1)SUBODH AGRAWAL</b>                         |
| (32) Priority Date                            | :NA       | Address of Applicant :D M INFOTECH, 113, LABH   |
| (33) Name of priority country                 | :NA       | CHAMBERS, STATION ROAD, AURANGABAD. Maharashtra |
| (86) International Application No             | :NA       | India                                           |
| Filing Date                                   | :NA       | (72) <b>Name of Inventor :</b>                  |
| (87) International Publication No             | :N/A      | <b>1)SUBODH AGRAWAL</b>                         |
| (61) Patent of Addition to Application Number | :NA       |                                                 |
| Filing Date                                   | :NA       |                                                 |
| (62) Divisional to Application Number         | :NA       |                                                 |
| Filing Date                                   | :NA       |                                                 |

(57) Abstract :

With the use of this invention the hardship in retrieving document will be reduced to nil. No need of removing document from file. All documents are available all the time. One can print and mail any number of times.

No. of Pages : 13 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/08/2012

(21) Application No.2409/MUM/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : METER TESTING DEVICE

|                                               |                                        |                                                                                                                                                                                                      |
|-----------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G01R35/00,<br>G01R35/06,<br>G01R35/04 | (71) <b>Name of Applicant :</b><br><b>1)RELIANCE INFRASTRUCTURE LTD.</b><br>Address of Applicant :RELIANCE INFRASTRUCTURE<br>LTD., DEVIDAS LANE, BORIVALI (W), MUMBAI - 400 092<br>Maharashtra India |
| (31) Priority Document No                     | :NA                                    | (72) <b>Name of Inventor :</b>                                                                                                                                                                       |
| (32) Priority Date                            | :NA                                    | <b>1)WADKE; VIJAY</b>                                                                                                                                                                                |
| (33) Name of priority country                 | :NA                                    | <b>2)PATIL; AJIT</b>                                                                                                                                                                                 |
| (86) International Application No             | :NA                                    | <b>3)KORAGAONKAR; RAJAN</b>                                                                                                                                                                          |
| Filing Date                                   | :NA                                    | <b>4)RAI; ARVIND</b>                                                                                                                                                                                 |
| (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 provides a device and method for meter testing. The device comprising an optical sensor (5) connected with a meter to be tested; a pulse counter (1) connected with said optical sensor (5); a controller means having a comparator means (2) connected with said pulse counter (1); a standard meter pulse means (3) connected with said controller means providing standard meter pulses to said controller means; a meter constant means; an inbuilt phantom load (4) connected with CC of the said meter; a display means operatively connected with said controller means. When LED of meter to be tested starts blinking the pulses are sensed by optical sensor and associated pulse counter counts the pulses and these pulses are provided as input to the controller with standard meter pulses. Comparator compares both pulses and displays the error percentage on said display.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2518/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : DOBUTAMINE PREFILLED SYRINGE

|                                               |                                                   |                                                                                                                                                                                       |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61M39/10,<br>A61M39/20,<br>A61M5/31,<br>A61M5/3 | (71) <b>Name of Applicant :</b><br><b>1)AGRAWAL Pawan</b><br>Address of Applicant :F 22 Akash Tower Opp. Premchand<br>nagar Judges Bungalow Road Satellite Ahmedabad Gujarat<br>India |
| (31) Priority Document No                     | :NA                                               | <b>2)AGARWAL Zameer</b>                                                                                                                                                               |
| (32) Priority Date                            | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                        |
| (33) Name of priority country                 | :NA                                               | <b>1)AGRAWAL Pawan</b>                                                                                                                                                                |
| (86) International Application No             | :NA                                               | <b>2)AGARWAL Zameer</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 :

The present dobutamine prefilled syringe (1) is provided for sterile dobutamine to be administered with convenient handling. The present syringe having prediluted, ready to administer dosage does not require further dilution before administration and hence there are no chances of contamination unlike the conventional ways of diluting dobutamine before administration. And there are also no risks of particulate contamination. Also, this eliminates dilution errors. The present syringe is convenient to handle and store compared to the conventional glass syringes eliminating the risk of breakage and associated material loss.

No. of Pages : 22 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3138/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :08/11/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR MANUFACTURING NON-ORIENTED ELECTRICAL STEEL SHEET

|                                               |           |                                                           |
|-----------------------------------------------|-----------|-----------------------------------------------------------|
| (51) International classification             | :C21D8/12 | (71)Name of Applicant :                                   |
| (31) Priority Document No                     | :NA       | <b>1)JFE STEEL CORPORATION</b>                            |
| (32) Priority Date                            | :NA       | Address of Applicant :2-3 Uchisaiwai-cho 2-chome Chiyoda- |
| (33) Name of priority country                 | :NA       | ku Tokyo 100-0011 Japan.                                  |
| (86) International Application No             | :NA       | (72)Name of Inventor :                                    |
| Filing Date                                   | :NA       | <b>1)ISHIDA Masayoshi</b>                                 |
| (87) International Publication No             | : NA      | <b>2)ODA Yoshihiko</b>                                    |
| (61) Patent of Addition to Application Number | :NA       | <b>3)TODA Hiroaki</b>                                     |
| Filing Date                                   | :NA       | <b>4)NAKANISHI Tadashi</b>                                |
| (62) Divisional to Application Number         | :NA       | <b>5)SHIGA Nobuo</b>                                      |
| Filing Date                                   | :NA       |                                                           |

(57) Abstract :

An object of the present invention is to provide an advantageous method for manufacturing a non-oriented electrical steel sheet capable of not only reducing iron loss but also improving properties regarding magnetic isotropy. Specifically, the present invention provides a method for manufacturing a low-iron loss, non-oriented electrical steel sheet having low magnetic anisotropy, comprising the steps of: preparing a steel slab having a composition including by mass %, C: 0.01 % or less, Si: 2.5 % to 5.0 %, Mn: 0.1 % to 1.5 %, S: 0.0030 % or less, N: 0.0030 % or less, O: 0.0020 % or less, and remainder which is substantially Fe; subjecting the slab to reheating, hot rolling, coiling and hot rolled sheet annealing to obtain a hot rolled steel sheet; subjecting the hot rolled steel sheet to a single cold rolling operation or two or more cold rolling operations with intermediate annealing interposed therebetween to obtain a cold rolled steel sheet; and subjecting the cold rolled steel sheet to finish annealing, wherein reheating of the slab is conducted at slab reheating temperature of 1150 °C or lower, the hot rolled sheet annealing after the coiling is conducted at temperature in the range of 900 °C to 1100 °C for 10 seconds to 3 minutes, rolling reduction rate of the cold rolling is 60 % to 90 %, and the finish annealing is conducted under conditions of temperature: 900 °C to 1100 °C, time duration: 10 seconds to 60 seconds, and tensile stress applied to the steel sheet: 4MPa or less.

No. of Pages : 33 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2340/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PETROL FROM ORANGE PEEL AND PLASTIC

|                                               |                                         |                                                                                                                                                           |
|-----------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C01B9/00,<br>C07D487/00,<br>C07D487/08 | (71)Name of Applicant :<br><b>1)SAXENA, KRISHNA KUMAR</b><br>Address of Applicant :GOVERNMENT EXCE.HIGHER<br>SECONDARY DISTT-SEHORE, MADHYA PRADESH India |
| (31) Priority Document No                     | :NA                                     | <b>2)RAJORIYA, RAVINDER</b>                                                                                                                               |
| (32) Priority Date                            | :NA                                     | (72)Name of Inventor :                                                                                                                                    |
| (33) Name of priority country                 | :NA                                     | <b>1)SAXENA, KRISHNA KUMAR</b>                                                                                                                            |
| (86) International Application No             | :NA                                     | <b>2)RAJORIYA, RAVINDER</b>                                                                                                                               |
| Filing Date                                   | :NA                                     |                                                                                                                                                           |
| (87) International Publication No             | :N/A                                    |                                                                                                                                                           |
| (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 process of preparing the liquid fuel from waste material; said liquid fuel could be petrol, gasoline, kerosene, aromatics and other flammable ingredients. In the above mentioned invention the waste material is from the natural origin like from the peels of the vegetables most likely to be the orange peel and it is used in combination with the synthetic waste material most likely to be the plastic.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2443/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR PREPARATION OF DRY STRAWBERRIES

|                                               |                                                   |                                                                                                                                                                                                        |
|-----------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A23L3/40,<br>A23B7/024,<br>A23L3/44,<br>A23B7/02 | (71) <b>Name of Applicant :</b><br><b>1)SUBHASH ANNA KASHILKAR</b><br>Address of Applicant :UDDHVANKUR, PLOT NO.4,<br>GANESH LOW INCOME HSG SOCIETY,<br>YASHWANTNAGAR, WAI - 412803, Maharashtra India |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                                         |
| (32) Priority Date                            | :NA                                               | <b>1)SUBHASH ANNA KASHILKAR</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 :

The present invention provides a process for a preparation of dry strawberries infused with a sweetener such as sugar. The process of the present invention involves simpler steps to produce nutritious and delicious strawberries having more shelf life. The process of the present invention does not involve use of artificial preservatives, thereby avoids deleterious side effects.

No. of Pages : 9 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2546/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR QUALITY ENHANCEMENT IN HYDROCARBON STREAM

|                                               |                          |                                                                                                                                                                         |
|-----------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C10G19/02,<br>C10G19/00 | (71)Name of Applicant :<br><b>1)Indian Oil Corporation Limited</b><br>Address of Applicant :G-9 Ali Yavar Jung Marg Bandra<br>(East) Mumbai-400 051 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                      | (72)Name of Inventor :                                                                                                                                                  |
| (32) Priority Date                            | :NA                      | <b>1)SARKAR Mainak</b>                                                                                                                                                  |
| (33) Name of priority country                 | :NA                      | <b>2)ARUN Arangarasu</b>                                                                                                                                                |
| (86) International Application No             | :NA                      | <b>3)GUPTA Yamini</b>                                                                                                                                                   |
| Filing Date                                   | :NA                      | <b>4)BUTLEY Ganesh Vitthalrao</b>                                                                                                                                       |
| (87) International Publication No             | : NA                     | <b>5)SAU Madhusudan</b>                                                                                                                                                 |
| (61) Patent of Addition to Application Number | :NA                      | <b>6)KUMAR Brijesh</b>                                                                                                                                                  |
| Filing Date                                   | :NA                      | <b>7)RAJAGOPAL Santanam</b>                                                                                                                                             |
| (62) Divisional to Application Number         | :NA                      | <b>8)RAMADHAS Arumugam Sakunthalai</b>                                                                                                                                  |
| Filing Date                                   | :NA                      | <b>9)MALHOTRA Ravinder Kumar</b>                                                                                                                                        |

(57) Abstract :

The present invention discloses a process for enhancing quality of a hydrocarbon stream. More particularly, the present invention discloses a process for improvement of the combustion quality of a diesel range stream by dissolving an oxygen source in the feed stream before carrying out the oxidation, thereby enhancing the Cetane number, lubricity and reducing emission of the stream. The present invention also discloses a process for enhancing combustion quality of a hydrocarbon stream by carrying out the process in presence of an organometallic catalyst.

No. of Pages : 21 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2548/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CUSTOMIZED AUDIO ALERTS

|                                               |                         |
|-----------------------------------------------|-------------------------|
| (51) International classification             | :H04M3/42,<br>H04M19/04 |
| (31) Priority Document No                     | :NA                     |
| (32) Priority Date                            | :NA                     |
| (33) Name of priority country                 | :NA                     |
| (86) International Application No             | :NA                     |
| Filing Date                                   | :NA                     |
| (87) International Publication No             | : NA                    |
| (61) Patent of Addition to Application Number | :NA                     |
| Filing Date                                   | :NA                     |
| (62) Divisional to Application Number         | :NA                     |
| Filing Date                                   | :NA                     |

(71)**Name of Applicant :**  
**1)TATA CONSULTANCY SERVICES LIMITED**  
Address of Applicant :Nirmal Building 9th Floor Nariman  
Point Mumbai Maharashtra 400021 India  
(72)**Name of Inventor :**  
**1)RAMASWAMY SATYANARAYANAN**  
**2)SHANKAR VADRE VU GIRIJA**

(57) Abstract :

A methods and systems for generating customized audio alerts are described. The method includes identifying occurrence of an event on a communication device (102). The event is associated with at least one attributes. The at least one attribute associated with the event is compared with user-defined attributes. Further a customized audio alert is generated on the communication device (102) based on the comparing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3355/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND SYSTEM FOR MEASURING SOFTWARE QUALITY ATTRIBUTES

|                                               |                         |                                                                                                                                                                                     |
|-----------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G06F15/00,<br>G06F9/44 | (71) <b>Name of Applicant :</b><br><b>1)TATA CONSULTANCY SERVICES LIMITED</b><br>Address of Applicant :Nirmal Building 9th Floor Nariman<br>Point Mumbai-400021 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     | (72) <b>Name of Inventor :</b>                                                                                                                                                      |
| (32) Priority Date                            | :NA                     | <b>1)RAMASAMY Sangeetha</b>                                                                                                                                                         |
| (33) Name of priority country                 | :NA                     | <b>2)MEHALINGAM Tamildurai</b>                                                                                                                                                      |
| (86) International Application No             | :NA                     |                                                                                                                                                                                     |
| Filing Date                                   | :NA                     |                                                                                                                                                                                     |
| (87) International Publication No             | : NA                    |                                                                                                                                                                                     |
| (61) Patent of Addition to Application Number | :NA                     |                                                                                                                                                                                     |
| Filing Date                                   | :NA                     |                                                                                                                                                                                     |
| (62) Divisional to Application Number         | :NA                     |                                                                                                                                                                                     |
| Filing Date                                   | :NA                     |                                                                                                                                                                                     |

(57) Abstract :

A method and a system for measuring quality attributes for software includes receiving selected quality attributes selected sub-attributes associated with the selected quality attributes and selected rules associated with the selected sub-attributes. The selected rules are language independent. A source code of the software is analyzed to build an intermediate representation of a plurality of components of the software. The intermediate representation of the plurality of components is checked for non-conformance against the selected rules Based on the non-conformance of the selected rules for each of the plurality of components software quality attribute values for the software is computed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2322/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : NATURAL FRIDGE

|                                               |                          |                                                             |
|-----------------------------------------------|--------------------------|-------------------------------------------------------------|
| (51) International classification             | :F25D11/02,<br>F25D21/00 | (71) <b>Name of Applicant :</b><br><b>1)AGRAWAL, PIYUSH</b> |
| (31) Priority Document No                     | :NA                      | Address of Applicant :CARMEL CONVENT SCHOOL,                |
| (32) Priority Date                            | :NA                      | NAMNAKALA, AMBIKAPUR Chattisgarh India                      |
| (33) Name of priority country                 | :NA                      | (72) <b>Name of Inventor :</b>                              |
| (86) International Application No             | :NA                      | <b>1)AGRAWAL, PIYUSH</b>                                    |
| Filing Date                                   | :NA                      |                                                             |
| (87) International Publication No             | :N/A                     |                                                             |
| (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 natural cooling device consists of box (1) divided by metal net (2) into three compartments to upper compartment (3), middle compartment (4) and lower compartment (5) where the upper and lower compartments are filled with coal (6), and middle compartment is further divided into two portions, where upper portion (7) is filled with wet porous material while the lower portion (8) can be used to keep foodstuff.

No. of Pages : 7 No. of Claims : 6



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2420/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMPROVED METHOD FOR THE QUANTITATIVE DETERMINATION OF FEBUXOSTAT

|                                               |                           |                                                                                                                                                                                                                |
|-----------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/519,<br>A61K31/52 | (71) <b>Name of Applicant :</b><br><b>1)Alembic Pharmaceuticals Limited</b><br>Address of Applicant :Alembic Research Centre Alembic<br>Pharmaceuticals Limited Alembic Road Vadodara-390003<br>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>                                                                                                                                                                                 |
| Filing Date                                   | :NA                       | <b>1)JAYARAMAN Venkatraman</b>                                                                                                                                                                                 |
| (87) International Publication No             | : NA                      | <b>2)BALAJI Sundara kalyana</b>                                                                                                                                                                                |
| (61) Patent of Addition to Application Number | :NA                       | <b>3)KEDIA Jagadish</b>                                                                                                                                                                                        |
| Filing Date                                   | :NA                       | <b>4)PATEL Ajay</b>                                                                                                                                                                                            |
| (62) Divisional to Application Number         | :NA                       |                                                                                                                                                                                                                |
| Filing Date                                   | :NA                       |                                                                                                                                                                                                                |

(57) Abstract :

The present invention relates to an improved reversed-phase liquid chromatographic (RP-LC) method for the quantitative determination of n-butyl impurity in febuxostat. The present invention further provides a stability indicating analytical method using the samples generated from forced degradation studies.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2421/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR THE PREPARATION OF PURE CRYSTALLINE FORM I OF AGOMELATINE

(51) International classification

:C07C231/24,  
C07C233/18

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)Alembic Pharmaceuticals Limited**

Address of Applicant :Alembic Research Centre Alembic  
Pharmaceuticals Limited Alembic Road Vadodara-390003  
Gujarat India

(72)Name of Inventor :

**1)JAYARAMAN Venkatraman**

**2)BALAJI Sundarakalyana**

**3)PANCHASARA Dinesh R**

**4)NATARAJAN Srinivasan**

**5)PATEL Ilesh M**

**6)PATEL Ketan B**

**7)PATWA Mitul B**

(57) Abstract :

The present invention relates to an improved process for the preparation of pure crystalline for I of Agomelatine

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2422/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN IMPROVED TWO ROLLER SUGARCANE CRUSHING MILL

|                                               |                                                   |                                                                                                                                                                                             |
|-----------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C13B10/06,<br>B02C4/28,<br>B02C4/02,<br>B02C4/32 | (71) <b>Name of Applicant :</b><br><b>1)BHAUSAHEB BAPURAO NIKAM</b><br>Address of Applicant :K.G.MANSION 1233, APTE ROAD,<br>OPP. HOTEL KOHINOOR EXECUTIVE PUNE-411004<br>Maharashtra India |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                              |
| (32) Priority Date                            | :NA                                               | <b>1)BHAUSAHEB BAPURAO NIKAM</b>                                                                                                                                                            |
| (33) Name of priority country                 | :NA                                               | <b>2)SACHIN BHAUSAHEB NIKAM</b>                                                                                                                                                             |
| (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 provides an improved two roll sugarcane crushing mill with a semi closed frame comprising plurality of improved two roll mill modules in tandem. Each improved two roll mill modules comprises a bottom roll and top roll, bottom roll being rotatably mounted in a pair of main frames at the two ends and the top roll is rotatably mounted in a pair of top beams. One end of each of the said top beams being pivotally attached near the upper end of the main frame towards feed side for swinging the said top beams along with the top roll. A hydraulic loading means is provided which is pivotally attached between end of top beam and base of main frame. The semi closed frame fitted at the bottom end to the base of the Head Stock is designed to bear the forces of heavy and fluctuating loads.

No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3368/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROBE FOR MEASURING RADIATIVE HEAT FLUX IN COMBUSTION SYSTEMS

|                                               |                         |                                                                                                                                                                                      |
|-----------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G01N 25/18, G01N 25/20 | (71)Name of Applicant :<br><b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b><br>Address of Applicant :INDIAN INSTITUTE OF TECHNOLOGY BOMBAY, POWAI MUMBAI 400 076, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     | (72)Name of Inventor :                                                                                                                                                               |
| (32) Priority Date                            | :NA                     | <b>1)S.V. PRABHU</b>                                                                                                                                                                 |
| (33) Name of priority country                 | :NA                     | <b>2)SUDARSHAN KUMAR</b>                                                                                                                                                             |
| (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 provides a probe (1) for measuring loss of radiative heat flux from combustion systems. The present probe (1) consists of a stainless steel cylindrical body member (2) and (3), a copper disc (5), a thermal insulation (7) provided between the copper disc (5) and a body member (2) and (3), a quartz plate (4) acting as a front window of the probe (1), a thermocouple (8) is brazed at centre of copper disc (5) for measuring voltage variation with radiative heat flux transfer. The present probe (1) is vertically positioned in cone calorimeter (10) and calibrated for different radiative heat flux levels. A data acquisition system (12) is used to continuously record the measured voltage variation values by which loss of radiative heat flux from combustion systems is measured.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1072/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :31/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : POLY(N-ALKYL OLEATE-CO-ALKYL MALEIMIDE) AS POUR POINT DEPRESSANT FOR OILS

|                                               |                 |                                                              |
|-----------------------------------------------|-----------------|--------------------------------------------------------------|
| (51) International classification             | :C07D<br>207/00 | (71)Name of Applicant :<br><b>1)CROMPTON GREAVES LIMITED</b> |
| (31) Priority Document No                     | :NA             | Address of Applicant :CG HOUSE, 6TH FLOOR, DR.               |
| (32) Priority Date                            | :NA             | ANNIE BESANT ROAD, WORLI, MUMBAI 400 030,                    |
| (33) Name of priority country                 | :NA             | MAHARASHTRA, INDIA.                                          |
| (86) International Application No             | :NA             | (72)Name of Inventor :                                       |
| Filing Date                                   | :NA             | <b>1)CHAUDHARI SUSHIL EKANATH</b>                            |
| (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 :

Poly(alkyl oleate -co-alkylmaleimide) having general formula (I); Formula (I) Poly(alkyl oleate-co-alkylmaleimide) wherein R represents C10 to C22 straight chain aliphatic alkyl group; X represents number of -CH<sub>2</sub>- units and n represents number of operating units having pour point depressant activity in oil. A method for the preparation of poly(alkyl oleate-co-alkylmaleimide) having general formula (I) is also disclosed herein.

No. of Pages : 28 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1126/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :31/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : ANTIVIRAL COMPOSITIONS AND METHODS THEREFOR

|                                               |                                 |                                                                                                                                                         |
|-----------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C12N<br>1/00,<br>C07K<br>14/00 | (71) <b>Name of Applicant :</b><br><b>1)AMRITA THERAPEUTICS Ltd.</b><br>Address of Applicant :B. V. Patel PERD Centre S. G.<br>Highway Ahmedabad INDIA. |
| (31) Priority Document No                     | :NA                             | (72) <b>Name of Inventor :</b>                                                                                                                          |
| (32) Priority Date                            | :NA                             | <b>1)Arsenio M. Fialho</b>                                                                                                                              |
| (33) Name of priority country                 | :NA                             | <b>2)Nuno Bernardes</b>                                                                                                                                 |
| (86) International Application No             | :NA                             | <b>3)João Manuel Braz Gonçalves</b>                                                                                                                     |
| Filing Date                                   | :NA                             | <b>4)Ana Catarina Cunha Santos</b>                                                                                                                      |
| (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 provides a composition comprising a broad spectrum protein of microbial origin as active anti-HIV/AIDS agent. Either the protein is secreted by or surface associated in microorganisms including but not limiting to bacteria, both pathogenic and non-pathogenic. The proteins used are isolated from bacteria Mycobacterium spp. specifically from Mycobacterium tuberculosis or M. bovis BCG. Further, the protein could be substituted by various truncated derivatives thereof, peptides derived from such proteins, synthetically prepared peptides, and proteins or peptides modified by PEGylation, acetylation, and phosphorylation. The protein includes purified proteins and peptides having amino acid sequence of SEQ ID No. 1 and 2 respectively.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1879/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A NOVEL BLEND OF POLYMERS AND IMPROVED PREFILLABLE SYRINGES MADE THEREFROM

|                                               |            |                                               |
|-----------------------------------------------|------------|-----------------------------------------------|
| (51) International classification             | :A61M5/32, | (71)Name of Applicant :                       |
| (31) Priority Document No                     | :NA        | <b>1)AGRAWAL, PAWAN</b>                       |
| (32) Priority Date                            | :NA        | Address of Applicant :F 22, AKASH TOWER, OPP: |
| (33) Name of priority country                 | :NA        | PREMCHAND NAGAR, JUDGES BUNGLOW ROAD,         |
| (86) International Application No             | :NA        | SATELLITE, AHMEDABAD-380054, GUJARAT STATE,   |
| Filing Date                                   | :NA        | INDIA                                         |
| (87) International Publication No             | :N/A       | <b>2)AGARWAL, ZAMEER</b>                      |
| (61) Patent of Addition to Application Number | :NA        | (72)Name of Inventor :                        |
| Filing Date                                   | :NA        | <b>1)AGRAWAL, PAWAN</b>                       |
| (62) Divisional to Application Number         | :NA        | <b>2)AGARWAL, ZAMEER</b>                      |
| Filing Date                                   | :NA        |                                               |

(57) Abstract :

The present invention relates to a novel blend of polymers referred to as Roselene Crystal Clear Polymer and improved prefillable syringes made therefrom. In particular, present invention relates a novel blend of polymers, Roselene Crystal Clear Polymer, that is Bisphenol A free, plasticizer free and eliminates risks of leaching and potential surface reactivity and resulting physiological hazards. Moreover, the present invention also relates to an improved prefillable syringes made from Roselene Crystal Clear Polymer that imparts convenience, maintains sterility enabling drug to be administered with minimum risk of contamination and provides prefixed dosage to be administered.

No. of Pages : 34 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1880/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CYCLIC OLEFIN COPOLYMER MADE IMPROVED PREFILLABLE SYRINGES

|                                               |            |                                               |
|-----------------------------------------------|------------|-----------------------------------------------|
| (51) International classification             | :A61M5/315 | (71)Name of Applicant :                       |
| (31) Priority Document No                     | :NA        | <b>1)AGRAWAL, PAWAN</b>                       |
| (32) Priority Date                            | :NA        | Address of Applicant :F 22, AKASH TOWER, OPP: |
| (33) Name of priority country                 | :NA        | PREMCHAND NAGAR, JUDGES BUNGLOW ROAD,         |
| (86) International Application No             | :NA        | SATELLITE, AHMEDABAD-380054, Gujarat India    |
| Filing Date                                   | :NA        | <b>2)AGARWAL, ZAMEER</b>                      |
| (87) International Publication No             | :N/A       | (72)Name of Inventor :                        |
| (61) Patent of Addition to Application Number | :NA        | <b>1)AGRAWAL, PAWAN</b>                       |
| Filing Date                                   | :NA        | <b>2)AGARWAL, ZAMEER</b>                      |
| (62) Divisional to Application Number         | :NA        |                                               |
| Filing Date                                   | :NA        |                                               |

(57) Abstract :

The present invention relates to a Cyclic Olefin Copolymer made improved pre-fillable syringe. In particular, present invention relates to Cyclic Olefin Copolymer made improved pre-fillable syringe providing high transparency and improved chemical resistance. The said Cyclic Olefin Copolymer made improved pre-fillable syringe is of a Stacked Needle type or a Luer-lock type. The wall of the Barrel (2) of the present pre-fillable syringes is silicon layered and the Rubber Stopper (3) is silicon layered or coated with fluorocarbons for smooth movements of the said Plunger Rod (4) with a Rubber Stopper (3) with the Barrel (2).

No. of Pages : 20 No. of Claims : 4



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3373/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A SYSTEM AND METHOD TO SIMULATE PRODUCT SHARE AT DIFFERENT ATTRIBUTES AND LEVELS

|                                               |                          |                                                                                                                                                                                            |
|-----------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G06Q10/00,<br>G06Q30/00 | (71) <b>Name of Applicant :</b><br><b>1)TATA CONSULTANCY SERVICES LIMITED</b><br>Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,<br>NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,<br>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)RAY, SOUMEN</b>                                                                                                                                                                       |
| (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 method and system to enable a simulator for prediction and simulating market share of a product at different price points is disclosed. A limited set of historical data associated with the performance of existing products is analyzed and analysis is performed in order to identify part worth utility of each attribute associated with the existing products. This analysis is used in order to correctly predict the future share of the product in the market. The simulator provides flexibility in order to calibrate the market share of the product at different price points. The number of combination of attributes and levels required to perform analysis are also reduced by applying hierarchical Bayesian technique in combination with the fractional factorial design.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1780/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A NOVEL PROCESS FOR THE THREE STEP PROTECTING GROUP FREE SYNTHESIS OF (+)-CARDIOBUTANOLIDE OF FORMULA (1)

|                                               |             |                                                 |
|-----------------------------------------------|-------------|-------------------------------------------------|
| (51) International classification             | :C07D309/30 | (71)Name of Applicant :                         |
| (31) Priority Document No                     | :NA         | <b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b> |
| (32) Priority Date                            | :NA         | Address of Applicant :POWAI, MUMBAI-400076,     |
| (33) Name of priority country                 | :NA         | MAHARASHTRA, INDIA.                             |
| (86) International Application No             | :NA         | (72)Name of Inventor :                          |
| Filing Date                                   | :NA         | <b>1)PROF. RODNEY A. FERNANDES</b>              |
| (87) International Publication No             | :N/A        | <b>2)K. PULLAIAH</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 process for preparing (+)-cardiobutanolide of formula (1) comprising the following steps: a) Treating D-glucono- $\delta$ -lactone formula (2) with hydrogen bromide in acetic acid followed by Zn powder in 50% acetic acid in water at ambient temperature to obtain (3R,4R)-3,4-Dihydroxy-5-hexenoic acid- $\gamma$ -lactone of formula (3). b) Olefin cross metathesis reaction between hydroxyl lactone (3) obtained in step (a) and commercially available (S)-phenyl vinyl carbinol (4) using Grubbs-Hoveyda second generation catalyst in anhydrous CH<sub>2</sub>Cl<sub>2</sub> under conditions effective to yield a olefinic compound of formula (5) c) Dihydroxylation using K<sub>2</sub>OSO<sub>4</sub>.2H<sub>2</sub>O and Af-methylmorpholine-N-oxide on olefin compound (5) obtained in step (b) in acetone and water under conditions effective to obtain (+)-cardiobutanolide (1) and its diastereomer of formula (6) in 4:1 ratio.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1874/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMMERSION TUBE FOR VACUUM DEGASSING EQUIPMENT AND METHOD FOR VACUUM DEGASSING TREATMENT

(51) International classification

:F27D  
7/06

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)JFE STEEL CORPORATION**

Address of Applicant :2-3 Uchisaiwai-cho 2-chome Chiyoda-ku Tokyo 100-0011 Japan.

(72)Name of Inventor :

**1)OKAMOTO Shingo**

**2)KATAYAMA Kouji**

(57) Abstract :

There is provided an immersion tube for vacuum degassing equipment comprised of a cylindrical metal core, an inner refractory lined on an inner peripheral face of the core and an outer refractory integrally constructed on an outer peripheral face of the core by monolithic refractory, wherein the outer refractory is provided with an argon gas introducing parts satisfying all of the following three conditions (a)-(c): (a) a position of the argon gas introducing part in a radial direction of the immersion tube is at the outer peripheral face of the core and close to the core; (b) a position of the argon gas introducing part in a height direction of the immersion tube is within a range of upper and lower positions separated from a level of molten steel surface by a thickness of the outer refractory during vacuum degassing treatment; and (c) an interval between the argon gas introducing parts in the peripheral direction of the core is not more than a sum of a distance from a level of molten steel surface to the argon gas introducing part and a thickness of the outer refractory.

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

(12) PATENT APPLICATION PUBLICATION  
(19) INDIA

(21) Application No.3621/MUM/2011 A

(22) Date of filing of Application :22/12/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : COMPUTING REUSABILITY INDEX OF SOFTWARE ASSETS

|                                               |            |                                                                                                                                                                           |
|-----------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G06F 7/00 | (71) <b>Name of Applicant :</b><br><b>1)TATA CONSULTANCY SERVICES LIMITED</b><br>Address of Applicant :Nirmal Building 9th Floor Nariman Point Mumbai MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA        |                                                                                                                                                                           |
| (32) Priority Date                            | :NA        |                                                                                                                                                                           |
| (33) Name of priority country                 | :NA        | (72) <b>Name of Inventor :</b>                                                                                                                                            |
| (86) International Application No             | :NA        | <b>1)Jayaramappa Mohan</b>                                                                                                                                                |
| Filing Date                                   | :NA        | <b>2)Suresh S</b>                                                                                                                                                         |
| (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 method and a system (100) for computing a reusability index of a software asset are provided. The system (100) comprises a processor (102) and a memory (106) coupled to the processor (102). The memory (106) comprises a characteristics module (112), a dimensions module (114), and a reusability module (116). The characteristics module (112) is configured to receive a characteristic score for each of a plurality of predefined characteristics associated with the software asset. The dimensions module (114) is configured to determine, based on the characteristic score weighted according to a characteristic weighing criterion, a dimension score for each of a plurality of predefined dimensions, wherein each of the plurality of predefined dimensions comprises at least one of the plurality of predefined characteristics. The reusability module (116) is configured to compute, based on the dimension score weighted according to a dimension weighing criterion, the reusability index of the software asset.

No. of Pages : 27 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2494/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :28/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : GROUND CLEARANCE MECHANISM FOR FARM VEHICLES

|                                               |                                          |                                                                                                                                                                                                 |
|-----------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B60G3/08,<br>A01B<br>71/08<br>B60G17/00 | (71) <b>Name of Applicant :</b><br><b>1)MOVALIYA RAJESH GANDUBHAI</b><br>Address of Applicant :KHODIYAR NIVAS, GEETANJALI<br>PARK, 3, NEAR ANANDNAGAR GARDEN, RAJKOT -<br>360002, Gujarat India |
| (31) Priority Document No                     | :NA                                      | (72) <b>Name of Inventor :</b>                                                                                                                                                                  |
| (32) Priority Date                            | :NA                                      | <b>1)MOVALIYA RAJESH GANDUBHAI</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 :

A ground clearance mechanism for farm vehicles is disclosed wherein a pair of first height adjustment linkages (19) and a pair of second height adjustment linkages (16) enables raising the chassis of a farm vehicle is raised through a predetermined height above the ground level. The chassis supports a drive axle receiving torque from an engine and a dead axle. The first height adjustment linkages (19) is positioned between the drive axle powered by the engine and a pair of drive wheels while the second height adjustment linkages (16) are positioned between the dead axle and a pair of driven wheels. The driven wheels are rotatably propelled corresponding to the rotation of the drive wheels. A hydraulically adjustable linkage (18) is supported on the chassis and is operable by the motor.

No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3403/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND SYSTEM FOR CONDUCTING A SURVEY

|                                               |            |                                                         |
|-----------------------------------------------|------------|---------------------------------------------------------|
| (51) International classification             | :G06Q30/00 | (71)Name of Applicant :                                 |
| (31) Priority Document No                     | :NA        | <b>1)TATA CONSULTANCY SERVICES LIMITED</b>              |
| (32) Priority Date                            | :NA        | Address of Applicant :Nirmal Building 9th Floor Nariman |
| (33) Name of priority country                 | :NA        | Point Mumbai 400021 Maharashtra India                   |
| (86) International Application No             | :NA        | (72)Name of Inventor :                                  |
| Filing Date                                   | :NA        | <b>1)THASKANI Sandhya Sree</b>                          |
| (87) International Publication No             | : NA       | <b>2)SOOD Aditya</b>                                    |
| (61) Patent of Addition to Application Number | :NA        | <b>3)PURUSHOTHAMAN Balamuralidhar</b>                   |
| Filing Date                                   | :NA        | <b>4)CHANDRA Mariswamy Girish</b>                       |
| (62) Divisional to Application Number         | :NA        |                                                         |
| Filing Date                                   | :NA        |                                                         |

(57) Abstract :

Described are a method and a system for conducting a survey of at least one survey item. The method includes obtaining historical survey data of the at least one survey item for T number of data stores. The method also includes determining a sparsity number K associated with the historical survey data of the at least one survey item for the T number of data stores. The method also includes determining a target number M based on the sparsity number K. The target number M is indicative of a reduced number of data stores present amongst the T number of data stores for collection of current survey data to estimate current survey data of the at least one survey item for the T number of data stores.

No. of Pages : 33 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3407/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :02/12/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : A SYSTEM & METHOD FOR ENABLING PARTICIPATION IN E-LEARNING SCENARIOS

|                                               |           |                                                        |
|-----------------------------------------------|-----------|--------------------------------------------------------|
| (51) International classification             | :H04N7/14 | (71) <b>Name of Applicant :</b>                        |
| (31) Priority Document No                     | :NA       | <b>1)GIESECKE &amp; DEVRIENT INDIA PVT. LTD.</b>       |
| (32) Priority Date                            | :NA       | Address of Applicant :9/1A Padale Prime Erandwane Pune |
| (33) Name of priority country                 | :NA       | 411004 MAHARASHTRA, INDIA.                             |
| (86) International Application No             | :NA       | (72) <b>Name of Inventor :</b>                         |
| Filing Date                                   | :NA       | <b>1)Deepen MANTRI</b>                                 |
| (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 :

Accordingly, the present invention provides a portable data carrier for enabling participation in e-learning scenarios, comprising an interface for receiving a first data set, a first access control element and a second access control element, the said first access control element being based on at least participant<sup>TM</sup>s credentials and the said second access control element being based on at least one predetermined parameter; a secure memory for storing the first data set thus received and the first and the second access control elements; and an access control means being in operational communication with the secure memory for retrieving the first and the second access control elements stored thereupon, comparing the retrieved access control elements with the access control elements received via the interface and outputting the first data set based on the comparison. The present invention also provides a method and a corresponding system that enable participation in e-learning scenarios using the portable data carrier of the aforesaid nature.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.576/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :01/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : SMART CHARGING SYSTEM FOR MOBILE PHONES- METHOD AND SYSTEM TO SAVE ELECTRICAL ENERGY BY ELECTRO-MECHANICALLY DETACHABLE / AUTO CUT OFF MOBILE CHARGER CONTROLLED BY MOBILE PHONE ITSELF

|                                               |                        |                                                                                                                                                                                                                                              |
|-----------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H04M1/00,<br>H04B7/00 | (71)Name of Applicant :<br><b>1)TRIVEDI KIRANKUMAR RAJNIKANT</b><br>Address of Applicant :503, SHANTIVAN FLATS RUPANI<br>CIRCLE BHAVNAGAR-364001 Gujarat India<br><b>2)JALAL MEHUL ANANTRAY</b><br><b>3)UMRALIYA CHINTANKUMAR KANAIYALAL</b> |
| (31) Priority Document No                     | :NA                    | (72)Name of Inventor :<br><b>1)TRIVEDI KIRANKUMAR RAJNIKANT</b><br><b>2)JALAL MEHUL ANANTRAY</b><br><b>3)UMRALIYA CHINTANKUMAR KANAIYALAL</b>                                                                                                |
| (32) Priority Date                            | :NA                    |                                                                                                                                                                                                                                              |
| (33) Name of priority country                 | :NA                    |                                                                                                                                                                                                                                              |
| (86) International Application No             | :NA                    |                                                                                                                                                                                                                                              |
| Filing Date                                   | :NA                    |                                                                                                                                                                                                                                              |
| (87) International Publication No             | :N/A                   |                                                                                                                                                                                                                                              |
| (61) Patent of Addition to Application Number | :NA                    |                                                                                                                                                                                                                                              |
| Filing Date                                   | :NA                    |                                                                                                                                                                                                                                              |
| (62) Divisional to Application Number         | :NA                    |                                                                                                                                                                                                                                              |
| Filing Date                                   | :NA                    |                                                                                                                                                                                                                                              |

(57) Abstract :

We claim in this invention that this method and device of smart charger is useful for electrical energy saving by switching off the AC mains supply to the charger by making the charger unplugged from its socket by electronic or mechanical way when the mobile phone batter is fully charged as it happens in normal case that when the mobile phone is fully charged people forget to switch off, remove or unplugged the charger from the AC mains supply and a small power is continuously consumed by the charger circuit. This invention is to save this power.

No. of Pages : 10 No. of Claims : 2



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2577/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROPOFOL CONTAINING PREFILLED SYRINGE

|                                               |                                        |                                                                                                                                                                                       |
|-----------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/05,<br>C08B37/16,<br>A61P23/02 | (71) <b>Name of Applicant :</b><br><b>1)AGRAWAL Pawan</b><br>Address of Applicant :F-22 Akash Tower Opp: Premchand<br>Nagar Judges Bungalow Road Satellite Ahmedabad Gujarat<br>India |
| (31) Priority Document No                     | :NA                                    | <b>2)AGARWAL Zameer</b>                                                                                                                                                               |
| (32) Priority Date                            | :NA                                    | (72) <b>Name of Inventor :</b>                                                                                                                                                        |
| (33) Name of priority country                 | :NA                                    | <b>1)AGRAWAL Pawan</b>                                                                                                                                                                |
| (86) International Application No             | :NA                                    | <b>2)AGARWAL Zameer</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 :

The present invention relates to a propofol containing prefilled syringe. In particular present invention relates to a propofol containing prefilled syringe for retaining effectiveness and enabling aseptic administration of propofol. The present syringe is prefilled and does not require filing the drug from vial and so there are no chances of propofol getting contaminated. Hence the present syringe enables aseptic drug delivery.

No. of Pages : 18 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.623/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :09/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : APPARATUS & METHOD FOR DETERMINING PERCENTAGE CARBON EQUIVALENT, CARBON AND SILICON IN MOLTEN FERROUS METAL

|                                               |               |                                                                                                                                                                                                                                                      |
|-----------------------------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B01L<br>3/04 | (71)Name of Applicant :<br><b>1)SUPER THERMOTECH</b><br>Address of Applicant :SURVEY NO. 60/4/A, NEAR ATN<br>CRAIN SERVICE, DANGAT PATIL NAGAR, BELOW PUNE<br>BANGLORE HI WAY BRIDGE, WADGAON (BK),<br>SINGHGAD ROAD, PUNE 411 041 Maharashtra India |
| (31) Priority Document No                     | :NA           |                                                                                                                                                                                                                                                      |
| (32) Priority Date                            | :NA           |                                                                                                                                                                                                                                                      |
| (33) Name of priority country                 | :NA           |                                                                                                                                                                                                                                                      |
| (86) International Application No             | :NA           |                                                                                                                                                                                                                                                      |
| Filing Date                                   | :NA           | (72)Name of Inventor :                                                                                                                                                                                                                               |
| (87) International Publication No             | :N/A          | <b>1)MR. CHETAN MURARI BIRAJDAR</b>                                                                                                                                                                                                                  |
| (61) Patent of Addition to Application Number | :NA           | <b>2)MR. PRAMOD MALHARI SHINDE</b>                                                                                                                                                                                                                   |
| Filing Date                                   | :NA           |                                                                                                                                                                                                                                                      |
| (62) Divisional to Application Number         | :NA           |                                                                                                                                                                                                                                                      |
| Filing Date                                   | :NA           |                                                                                                                                                                                                                                                      |

(57) Abstract :

The present invention pertains to an improved apparatus and method for quick and accurate determination of percentage carbon equivalent, carbon and silicon in molten ferrous metal compositions. Also disclosed are methods of its operation and application.

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1785/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF VALSARTAN INTERMEDIATES

|                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(51) International classification :C07D257/04<br/>(31) Priority Document No :NA<br/>(32) Priority Date :NA<br/>(33) Name of priority country :NA<br/>(86) International Application No :NA<br/>Filing Date :NA<br/>(87) International Publication No : NA<br/>(61) Patent of Addition to Application Number :NA<br/>Filing Date :NA<br/>(62) Divisional to Application Number :NA<br/>Filing Date :NA</p> | <p>(71)<b>Name of Applicant :</b><br/><b>1)Alembic Pharmaceuticals Limited</b><br/>Address of Applicant :Alembic Research Centre Alembic<br/>Pharmaceuticals Limited Alembic Road Vadodara-390003<br/>MAHARASHTRA, INDIA.<br/>(72)<b>Name of Inventor :</b><br/><b>1)TULANKAR Ashok</b><br/><b>2)SUNDERAVADIVELAN S</b><br/><b>3)SHAH Nilesh</b><br/><b>4)PRAJAPATI Kamlesh</b><br/><b>5)BADADE Abhay</b></p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

(57) Abstract :

The present invention relates to improved process for the preparation of valsartan intermediates i.e. N-[(2<sup>TM</sup>-cyanobiphenyl-4-yl)methyl]-(L)-valine methylester oxalate salt compound of formula I (Biphenyl Valine Oxalate).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1875/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :28/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SECONDARY COOLING METHOD FOR CONTINUOUSLY CAST SLAB

|                                               |           |                                                           |
|-----------------------------------------------|-----------|-----------------------------------------------------------|
| (51) International classification             | :C21D1/00 | (71)Name of Applicant :                                   |
| (31) Priority Document No                     | :NA       | <b>1)JFE STEEL CORPORATION</b>                            |
| (32) Priority Date                            | :NA       | Address of Applicant :2-3 Uchisaiwai-cho 2-chome Chiyoda- |
| (33) Name of priority country                 | :NA       | ku Tokyo 100-0011 Japan.                                  |
| (86) International Application No             | :NA       | (72)Name of Inventor :                                    |
| Filing Date                                   | :NA       | <b>1)TAWA Toshinori</b>                                   |
| (87) International Publication No             | : NA      | <b>2)IKAGAWA Toru</b>                                     |
| (61) Patent of Addition to Application Number | :NA       | <b>3)NISHIKORI Masanori</b>                               |
| Filing Date                                   | :NA       |                                                           |
| (62) Divisional to Application Number         | :NA       |                                                           |
| Filing Date                                   | :NA       |                                                           |

(57) Abstract :

In a secondary cooling of a continuously cast slab by arranging three or more spray nozzle rows of plural spray nozzles in a widthwise direction of the slab and symmetrically with respect to a widthwise central line of the slab and supplying a cooling water and a compressed air to the spray nozzles, when a flow rate of the cooling water sprayed through the spray nozzles is less than a lower limit volumetric flow rate of a controllable range in the flow rate of the cooling water at the spray nozzle, the supplying of the cooling water is stopped sequentially from both sides of the three or more spray nozzle rows, while the compressed air is supplied to the spray nozzles stopping the supplying of the cooling water at a standard state volumetric flow rate of 5 times or higher with respect to an upper volumetric flow rate in a controllable range of the flow rate of the cooling water in these spray nozzles.

No. of Pages : 21 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1878/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : GLICLAZIDE EXTENDED RELEASE TABLETS - HOT MELT GRANULATION TECHNOLOGY

|                                               |             |                                                      |
|-----------------------------------------------|-------------|------------------------------------------------------|
| (51) International classification             | :A61K31/568 | (71)Name of Applicant :                              |
| (31) Priority Document No                     | :NA         | <b>1)MONIKA SRIVASTAV</b>                            |
| (32) Priority Date                            | :NA         | Address of Applicant :702 NEEL CASTLE, SECTOR 3, NEW |
| (33) Name of priority country                 | :NA         | PANVEL, 410206 Maharashtra India                     |
| (86) International Application No             | :NA         | <b>2)DR. BALA PRABHAKAR</b>                          |
| Filing Date                                   | :NA         | (72)Name of Inventor :                               |
| (87) International Publication No             | :N/A        | <b>1)MONIKA SRIVASTAV</b>                            |
| (61) Patent of Addition to Application Number | :NA         | <b>2)DR. BALA PRABHAKAR</b>                          |
| Filing Date                                   | :NA         |                                                      |
| (62) Divisional to Application Number         | :NA         |                                                      |
| Filing Date                                   | :NA         |                                                      |

(57) Abstract :

The invention relates to extended release tablets of gliclazide and particularly deals with an improved formulation of gliclazide extended release tablets using hot melt granulation technology. Gliclazide extended release tablet formulation(Hot Melt) with polyethylene glycol 8000 along with hydroxypropylmethyl cellulose (HPMC K4M) was found to be the ideal for controlling dissolution profile. The formulation is optimum in terms of obtaining the desired dissolution profile of gliclazide

No. of Pages : 33 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2398/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : BRIDGE BUTTON FOR LIGAMENT RECONSTRUCTION

|                                               |                         |
|-----------------------------------------------|-------------------------|
| (51) International classification             | :A61F2/08,<br>A61B17/04 |
| (31) Priority Document No                     | :NA                     |
| (32) Priority Date                            | :NA                     |
| (33) Name of priority country                 | :NA                     |
| (86) International Application No             | :NA                     |
| Filing Date                                   | :NA                     |
| (87) International Publication No             | : NA                    |
| (61) Patent of Addition to Application Number | :NA                     |
| Filing Date                                   | :NA                     |
| (62) Divisional to Application Number         | :2376/MUM/2011          |
| Filed on                                      | :24/08/2011             |

(71)Name of Applicant :

**1)SHINDE PADMAKAR**

Address of Applicant :3 SUKHDHAM SOCIETY, OPP. ST FRANCIS SCHOOL, TIDKE COLONY, NASHIK, MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)SHINDE PADMAKAR**

(57) Abstract :

A bridge button, for ligament reconstruction, said button being formed by an arcuate body of pre-defined dimensions such that said button being adapted to sit across a cavity in a bone and further adapted to operate between an operative open position and an operative closed position, said button comprises: a first shaft, and a co-axial second shaft co-operating with said first shaft in a manner such that said second shaft is adapted to be angularly displaced about said first shaft at their substantially co-axially located pivoting point, said second shaft being located operatively atop said first shaft.

No. of Pages : 27 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2399/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A MODULAR DRILL GUIDE

|                                               |                          |
|-----------------------------------------------|--------------------------|
| (51) International classification             | :A61B17/17,<br>A61B17/56 |
| (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         | :2376/MUM/2011           |
| Filed on                                      | :24/08/2011              |

(71)Name of Applicant :

**1)SHINDE PADMAKAR**

Address of Applicant :3 SUKHDHAM SOCIETY, OPP. ST FRANCIS SCHOOL, TIDKE COLONY, NASHIK, MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)SHINDE PADMAKAR**

(57) Abstract :

A modular drill guide adapted to drill a plurality of combinations of combiholes in a bone according to pre-calculated requirements, said modular drill guide comprises: an operative left unit and an operative right unit adapted to be spaced apart by means of transverse elements, said transverse elements extending from one of said units and further adapted to slide from one unit into another in order to couple said units together or to space apart one unit from another; and at least a protruding shaft or probe extending from each of said units, each of said shafts or probes being located medially with respect to said units, correspondingly, each of said shafts or probes being adapted to drill through a bone.

No. of Pages : 23 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2602/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A PROCESS FOR PREPARATION OF HYDRALAZINE HYDROCHLORIDE.

|                                               |             |
|-----------------------------------------------|-------------|
| (51) International classification             | :C07D237/30 |
| (31) Priority Document No                     | :NA         |
| (32) Priority Date                            | :NA         |
| (33) Name of priority country                 | :NA         |
| (86) International Application No             | :NA         |
| Filing Date                                   | :NA         |
| (87) International Publication No             | : NA        |
| (61) Patent of Addition to Application Number | :NA         |
| Filing Date                                   | :NA         |
| (62) Divisional to Application Number         | :NA         |
| Filing Date                                   | :NA         |

(71)Name of Applicant :

**1)SEQUENT SCIENTIFIC LIMITED**

Address of Applicant :116 VARDHMAN INDUSTRIAL COMPLEX, L.B.S MARG, THANE (W), MUMBAI - 400 601, MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)ARULMOLI, THANGAVEL**

**2)CHANNAMATA SHANKARA, NAVEENA**

**3)KRISHNA, BETTADAPURA GUNDAPPA**

**4)ACHARY, MADHUSOODANA**

**5)RATHNAKAR, VENKATESH PADUKONE**

**6)DAS, GAUTAM KUMAR**

(57) Abstract :

The present invention relates to a novel, cost-effective process for the preparation of 1-hydrazinophthalazine hydrochloride of formula I, which involves the preparation of 1-chlorophthalazine using phthalazinone and phosphorous oxychloride, further reacting with hydrazine hydrate and an acid followed purification of hydralazine hydrochloride to form pure 1-hydrazinophthalazine hydrochloride of formula I.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2729/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : DETERMINATION OF CONTIGUOUS AND CONNECTED ASSOCIATION CLUSTER

|                                               |                         |                                                                                                                                                                              |
|-----------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G06F7/00,<br>G06F17/30 | (71) <b>Name of Applicant :</b><br><b>1)TATA CONSULTANCY SERVICES LIMITED</b><br>Address of Applicant :Nirmal Building 9th Floor Nariman<br>Point Mumbai MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                     |                                                                                                                                                                              |
| (32) Priority Date                            | :NA                     |                                                                                                                                                                              |
| (33) Name of priority country                 | :NA                     | (72) <b>Name of Inventor :</b>                                                                                                                                               |
| (86) International Application No             | :NA                     | <b>1)MOHANTY Santosh Kumar</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 process for determining or revealing new associations from among a plurality of attributes selected from a set of transactional process data comprises a method of converting attribute data into consistent, itemized data through an interactive bucketing process, computing association rule parameters and further displaying mined associations in an intelligent visualization setup to easily identify associations. Association rules are displayed in a visually engaging two dimensional matrix such that areas or regions showing association are instantly visible. Further, higher level association rules can be uncovered or drilled-down by adopting efficient and fast computational techniques based on the defined rules and the resulting visualization is realized through a contiguous region or connected set.

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2460/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : GRANULAR PHARMACEUTICAL COMPOSITIONS OF METFORMIN

|                                               |                           |                                                                                                                                                                                             |
|-----------------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K47/26,<br>A61K31/155 | (71) <b>Name of Applicant :</b><br><b>1)CADILA HEALTHCARE LIMITED</b><br>Address of Applicant :SARKHEJ-BAVLA N.H. NO. 8A,<br>MORAIYA, TAL. SANAND, DIST. AHMEDABAD-382210,<br>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>                                                                                                                                                              |
| Filing Date                                   | :NA                       | <b>1)ROY SUNILENDU BHUSHAN</b>                                                                                                                                                              |
| (87) International Publication No             | : NA                      | <b>2)PANCHAL MAULIK KIRITKUMAR</b>                                                                                                                                                          |
| (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 oral dosage forms of metformin and pharmaceutically acceptable salts thereof and processes for the preparation of the dosage forms. In particular, the invention is directed to storage stable, palatable granular pharmaceutical dosage forms of metformin hydrochloride ready for oral solution, the method of preparing the same and their use in treating hyperglycemia and/or diabetes.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3/MUM/2008 A

(19) INDIA

(22) Date of filing of Application :01/01/2008

(43) Publication Date : 30/05/2014

(54) Title of the invention : A VEHICLE FLOOR INTEGRATED WITH SAFETY STRUCTURE

|                                               |                             |                                                                                                                                                                |
|-----------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B60N<br>3/00,<br>B60R21/00 | (71)Name of Applicant :<br><b>1)TATA MOTORS LIMITED</b><br>Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY<br>STREET, HUTATMA CHOWK, MUMBAI Maharashtra India |
| (31) Priority Document No                     | :NA                         | (72)Name of Inventor :                                                                                                                                         |
| (32) Priority Date                            | :NA                         | <b>1)DAPHAL PRATAP N</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 :

In accordance with present invention, improved vehicle floor structure integrated with crash safety mechanism comprises; longitudinal members disposed at the bottom of the vehicle floor panel , upright raised channel disposed centrally along the vehicle longitudinal direction and, connected to the said longitudinal members wherein said vehicle floor structure comprises; first and second longitudinal reinforcement members disposed parallel to each other along the vehicle longitudinal direction and attached adjacent to the said upright raised channel member by joinery means, connection member disposed along the vehicle width direction which is attached to the said reinforcement members to minimize the relative movement of said reinforcement members which tries to move away from each other during crash. The said connection member also prevents lateral expansion of the said upright raised channel member during crash.

No. of Pages : 15 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.578/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A NOVEL BIOMEDICAL DEVICE FOR CANCER THERAPY

(51) International classification

:A61B  
17/42

(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

:N/A

(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)AMRITA THERAPEUTICS LIMITED**

Address of Applicant :C/O AYURNET HEALTH CARE LTD  
LOCATED, 304 REGENCY PLAZA, NEAR RAHUL TOWER  
CROSS ROADS, SATELLITE, AHMEDABAD-380015, Gujarat  
India

(72)Name of Inventor :

**1)SALUNKE, PRABHAKAR**

**2)CHAKRABARTY, ANANDA**

(57) Abstract :

The present invention provides a device comprising stent or catheter containing biofilms of microorganisms useful in cancer therapy. The microorganisms may be attenuated in their virulence factors and with cloned genes encoding specific proteins with anticancer activity. The biofilm-containing devices may be encased in membranes that allow diffusion of proteins with molecular masses of 25, 50, 75 or 100 kDa but not live biofilm organisms.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2330/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :13/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : MULTI PURPOSE MIXING DEVICE

|                                               |                         |                                                                                                                                                                                                |
|-----------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B01F7/00,<br>B01F15/00 | (71) <b>Name of Applicant :</b><br><b>1)PATEL, FALGUNI CHANDU</b><br>Address of Applicant :GOVERNMENT MIDDLE SCHOOL,<br>DEVKA, NANI DAMAN, UNION TERRITORY OF DAMAN &<br>DIU Daman & Diu India |
| (31) Priority Document No                     | :NA                     | <b>2)PATEL, RAMANBHAI .K.</b>                                                                                                                                                                  |
| (32) Priority Date                            | :NA                     | (72) <b>Name of Inventor :</b>                                                                                                                                                                 |
| (33) Name of priority country                 | :NA                     | <b>1)PATEL, FALGUNI CHANDU</b>                                                                                                                                                                 |
| (86) International Application No             | :NA                     | <b>2)PATEL, RAMANBHAI .K.</b>                                                                                                                                                                  |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                |
| (87) International Publication No             | :N/A                    |                                                                                                                                                                                                |
| (61) Patent of Addition to Application Number | :NA                     |                                                                                                                                                                                                |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                |
| (62) Divisional to Application Number         | :NA                     |                                                                                                                                                                                                |
| Filing Date                                   | :NA                     |                                                                                                                                                                                                |

(57) Abstract :

A crushing device, comprising: a number of pestles each fitted angularly, a number of mortars, a bar having a handle attached to it at either end and the said handle on rotation rotates the bar, a number of rods with each rod attached to the bar and the rods move when the bar is rotated, the rods strike on the corresponding pestle, pushing its one side down and on release the other side of the pestle drops in to the mortar.

No. of Pages : 7 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2428/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : POLYMER COMPONENT BASED POLYHOUSE

|                                               |                                                   |                                                                                                                                                                                                                |
|-----------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :F16L33/02,<br>B29K707/04,<br>G09F3/00,<br>F16L11 | (71) <b>Name of Applicant :</b><br><b>1)EDKE RAJESH</b><br>Address of Applicant : 'SANKUL', ROW HOUSE 42, UNIT<br>83-84, NEXT TO DEENANATH MANGESHKAR HOSPITAL,<br>ERANDWANA, PUNE 411 004 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                               | (72) <b>Name of Inventor :</b>                                                                                                                                                                                 |
| (32) Priority Date                            | :NA                                               | <b>1)EDKE RAJESH</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 :

The invention is a polymer component based polyhouse is disclosed. The polyhouse has a supporting frame structure that is assembled from a plurality of hollow polymer composite elements and a plurality of solid polymer composite elements. The combined pluralities of hollow and solid composite elements are adapted create a fluid reticulation network that is used to facilitate and monitor a plurality of functions, such as, for example irrigation, fogging, supplying nutrients, pesticides at predetermined locations inside the polyhouse. The fluid reticulation network can further be used for storing water and regulating the temperature conditions inside the polyhouse. The hollow and solid composite materials are also adapted to improve and increase a cultivation area defined within the polyhouse and to improve the effectiveness of the polyhouse against various load conditions.

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2429/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION

|                                               |                                         |                                                                                                                                             |
|-----------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61P15/08,<br>A61K9/48,<br>A61K31/7004 | (71) <b>Name of Applicant :</b><br><b>1)CIPLA LIMITED</b><br>Address of Applicant :MUMBAI CENTRAL, MUMBAI - 400<br>008, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                     | (72) <b>Name of Inventor :</b>                                                                                                              |
| (32) Priority Date                            | :NA                                     | <b>1)MALHOTRA, GEENA</b>                                                                                                                    |
| (33) Name of priority country                 | :NA                                     | <b>2)PURANDARE, SHRINIVAS MADHUKAR</b>                                                                                                      |
| (86) International Application No             | :NA                                     |                                                                                                                                             |
| Filing Date                                   | :NA                                     |                                                                                                                                             |
| (87) International Publication No             | : NA                                    |                                                                                                                                             |
| (61) Patent of Addition to Application Number | :NA                                     |                                                                                                                                             |
| Filing Date                                   | :NA                                     |                                                                                                                                             |
| (62) Divisional to Application Number         | :NA                                     |                                                                                                                                             |
| Filing Date                                   | :NA                                     |                                                                                                                                             |

(57) Abstract :

The present invention discloses to a hot-melt extruded pharmaceutical composition comprising a calcimimetic drug. The invention also discloses processes for the preparation of the said pharmaceutical composition and its use for the treatment and/or prevention of hyperparathyroidism.

No. of Pages : 24 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.306/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :03/02/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : MICRO DEFORMATION DEVICE

|                                               |                                      |                                                                                                                                                                                                    |
|-----------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G01B11/16,<br>G01N3/00,<br>G01D1/02 | (71) <b>Name of Applicant :</b><br><b>1)INDIAN INSTITUTE OF TECHNOLOGY BOMBAY</b><br>Address of Applicant :INDIAN INSTITUTE OF<br>TECHNOLOGY BOMBAY, POWAI MUMBAI - 400 076<br>MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                  | (72) <b>Name of Inventor :</b>                                                                                                                                                                     |
| (32) Priority Date                            | :NA                                  | <b>1)PRITA PANT</b>                                                                                                                                                                                |
| (33) Name of priority country                 | :NA                                  | <b>2)PATEL EDUL MEHERNOSH</b>                                                                                                                                                                      |
| (86) International Application No             | :NA                                  |                                                                                                                                                                                                    |
| Filing Date                                   | :NA                                  |                                                                                                                                                                                                    |
| (87) International Publication No             | :N/A                                 |                                                                                                                                                                                                    |
| (61) Patent of Addition to Application Number | :NA                                  |                                                                                                                                                                                                    |
| Filing Date                                   | :NA                                  |                                                                                                                                                                                                    |
| (62) Divisional to Application Number         | :NA                                  |                                                                                                                                                                                                    |
| Filing Date                                   | :NA                                  |                                                                                                                                                                                                    |

(57) Abstract :

An apparatus and method for in-situ bulge testing to understand deformation characteristics like residual stresses, mechanical, and corrosion properties in miniature bulk samples is provided. The same device can also be used to study stress-induced phase transformation in some materials. The apparatus consist of a cap and a holder with two washers between which the miniature bulk sample is held. The use of the washers is optional and its use depends on the material to be deformed. The cap further consists of a groove through which the in-situ deformation of samples is studied by irradiation through the groove with an electron beam at different angles. The groove is an additional feature which may be modified depending on the characterization instruments being used. The deformation to the said miniature bulk samples is done with the help of a screw having a head which can take different geometrical shapes and can be torqued manually or automatically. In the present invention mechanical torque is applied to the screw and the deformation of the miniature bulk sample is studied in-situ.

No. of Pages : 16 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2112/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/07/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A BRACKET FOR LINGUAL ORTHODONTICS

|                                               |                                     |                                                                                                                                                                              |
|-----------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61C3/00,<br>A61C7/28,<br>A61C7/00 | (71) <b>Name of Applicant :</b><br><b>1)DR. MANJUL JAIN</b><br>Address of Applicant :B,63-64,KALPATARU<br>ESTATE,JVLR, ANDHERI(WEST), MUMBAI- 400093,<br>MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                 | <b>2)R.PRAVIN SHETTY</b>                                                                                                                                                     |
| (32) Priority Date                            | :NA                                 | (72) <b>Name of Inventor :</b>                                                                                                                                               |
| (33) Name of priority country                 | :NA                                 | <b>1)DR. MANJUL JAIN</b>                                                                                                                                                     |
| (86) International Application No             | :NA                                 | <b>2)P.PRAVIN SHETTY</b>                                                                                                                                                     |
| Filing Date                                   | :NA                                 |                                                                                                                                                                              |
| (87) International Publication No             | :N/A                                |                                                                                                                                                                              |
| (61) Patent of Addition to Application Number | :NA                                 |                                                                                                                                                                              |
| Filing Date                                   | :NA                                 |                                                                                                                                                                              |
| (62) Divisional to Application Number         | :NA                                 |                                                                                                                                                                              |
| Filing Date                                   | :NA                                 |                                                                                                                                                                              |

(57) Abstract :

An assembly for use in straightening teeth in. lingual orthodontics includes a plurality of brackets and a plurality of removable arched wires providing progressively increasing tension to the bracket assembly in the operative configuration when the brackets are fixed to the lingual surfaces of the teeth and the arched wires are hooked to slots in the respective heads of the bracket assembly, wherein each bracket has monolithic structure and is defined by a head portion, a base portion and a neck. The head portion has a slot for attachment of the arched wire thereto and is selected from a head suitable for an incisor tooth, a canine tooth, a pre-molar tooth and a molar tooth. The base portion defines a contoured surface that matches the contour of the tooth for which the bracket and head portion is selected. The neck bridges the head portion to the base portion.

No. of Pages : 35 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2283/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :09/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A NOVEL PROCESS OF PREPARING ALCAFTADINE

|                                               |                          |                                                                                                                                                                                                                                           |
|-----------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K31/55,<br>A61P37/08 | (71) <b>Name of Applicant :</b><br><b>1)ENALTEC LABS PRIVATE LIMITED.</b><br>Address of Applicant :17TH FLOOR, KESAR SOLITAIRE,<br>PLOT NO.5 SECTOR-19, SANPADA, NAVI MUMBAI<br>MAHARASHTRA, INDIA. PIN CODE: 400705 Maharashtra<br>India |
| (31) Priority Document No                     | :NA                      | (72) <b>Name of Inventor :</b>                                                                                                                                                                                                            |
| (32) Priority Date                            | :NA                      | <b>1)BOBBA VENKATA SIVAKUMAR</b>                                                                                                                                                                                                          |
| (33) Name of priority country                 | :NA                      | <b>2)KODALI ESWARA RAO</b>                                                                                                                                                                                                                |
| (86) International Application No             | :NA                      | <b>3)GIRISH BANSILAL PATEL</b>                                                                                                                                                                                                            |
| Filing Date                                   | :NA                      | <b>4)SANJAY DASHRATH VAIDYA</b>                                                                                                                                                                                                           |
| (87) International Publication No             | :N/A                     | <b>5)ALOK PRAMOD TRIPATHI</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 provided a novel process of preparing alcaftadine compound of structural formula I by employing an intermediate compound of structural formula II.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3665/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : A SEAT ANCHORING MECHANISM FOR A VEHICLE

|                                               |                |                                                                                                                                                                               |
|-----------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :B60N<br>2/015 | (71) <b>Name of Applicant :</b><br><b>1)TATA MOTORS LIMITED</b><br>Address of Applicant :Bombay House 24 Homi Mody Street<br>Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA            |                                                                                                                                                                               |
| (32) Priority Date                            | :NA            |                                                                                                                                                                               |
| (33) Name of priority country                 | :NA            | (72) <b>Name of Inventor :</b>                                                                                                                                                |
| (86) International Application No             | :NA            | <b>1)GOGATE VINAYAK</b>                                                                                                                                                       |
| Filing Date                                   | :NA            | <b>2)KORALLA SIVA P</b>                                                                                                                                                       |
| (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 seat anchoring mechanism for a vehicle comprising, a floor panel of the vehicle with at least a through hole for fastening a seat bracket, a support washer aligned with said through hole and attached to said floor panel, a floor reinforcement member fastened to said floor panel, a threaded tube placed inside said reinforcement member by locating the top end of said tube inside said support washer, said tube having a flange welded to the reinforcement member and internal threads starting from top end of the tube up to a predetermined length and a fastener inserted through said seat bracket and fastened to said threaded tube.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3540/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :15/12/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROJECT MANAGEMENT SYSTEM

(51) International classification

:G06Q  
10/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)TATA CONSULTANCY SERVICES LIMITED**

Address of Applicant :Nirmal Building 9th Floor Nariman  
Point Mumbai MAHARASHTRA, INDIA.

(72)Name of Inventor :

**1)SWAIN Shiba Prasad**

**2)SETHI Bhubaneswar**

**3)KAR Chandan**

(57) Abstract :

Methods and systems for project management for assessing and mapping of efforts are described. The method of assessing efforts may include receiving a request for testing and QA of a release of the computer program where the release is indicative of a version of the computer program. The method may further include associating a task ID with the release where the task ID is unique to each release of the computer program and, identifying efforts put in for the task ID for at least one activity associated with the testing and QA where the efforts are indicative of time spent by testers for performing the at least one activity.

No. of Pages : 26 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2782/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :26/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN IRON SUCROSE PREFILLED SYRINGE.

|                                               |             |                                                 |
|-----------------------------------------------|-------------|-------------------------------------------------|
| (51) International classification             | :A61K31/728 | (71)Name of Applicant :                         |
| (31) Priority Document No                     | :NA         | <b>1)AGRAWAL, PAWAN</b>                         |
| (32) Priority Date                            | :NA         | Address of Applicant :F22,AKASH TOWER,OPP:      |
| (33) Name of priority country                 | :NA         | PREMCHAND NAGAR,JUDGES BUNGLOW                  |
| (86) International Application No             | :NA         | ROAD,SATELLITE,AHMEDABAD- 380054, Gujarat India |
| Filing Date                                   | :NA         | <b>2)AGARWAL, ZAMEER</b>                        |
| (87) International Publication No             | :N/A        | (72)Name of Inventor :                          |
| (61) Patent of Addition to Application Number | :NA         | <b>1)AGRAWAL, PAWAN</b>                         |
| Filing Date                                   | :NA         | <b>2)AGARWAL, ZAMEER</b>                        |
| (62) Divisional to Application Number         | :NA         |                                                 |
| Filing Date                                   | :NA         |                                                 |

(57) Abstract :

The embodiment of the proposed invention relates to an iron sucrose prefilled syringe wherein iron sucrose is administered without loss of sterility. The present syringe is prefilled and hence contains appropriate concentration of iron sucrose in it. It is also not required to be diluted. Therefore, there are no risks of its exposure to atmosphere while filling the syringe or while diluting the drug and hence it is protected from contamination and thereby from the loss of its sterility. The present syringe being prefilled contains dosage concentration of iron sucrose and does not require further dilution which overcomes the problems of dosage errors while diluting the drug to required dosage concentration. No glass vials or other brittle materials used enabling convenient storage and transport.

No. of Pages : 17 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.637/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :09/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR FIXATION OF ELEMENTAL NITROGEN

|                                               |           |                                                   |
|-----------------------------------------------|-----------|---------------------------------------------------|
| (51) International classification             | :C12N1/26 | (71)Name of Applicant :                           |
| (31) Priority Document No                     | :NA       | <b>1)SPAWNT RESEARCH GmbH</b>                     |
| (32) Priority Date                            | :NA       | Address of Applicant :Spawnt Research GmbH        |
| (33) Name of priority country                 | :NA       | Kunstseidestrae 6 06766 Bitterfeld-Wolfen Germany |
| (86) International Application No             | :NA       | <b>2)NAGARJUNA CORPORATION LIMITED</b>            |
| Filing Date                                   | :NA       | (72)Name of Inventor :                            |
| (87) International Publication No             | : NA      | <b>1)Dirk Zabel</b>                               |
| (61) Patent of Addition to Application Number | :NA       | <b>2)Christian Bauch</b>                          |
| Filing Date                                   | :NA       | <b>3)Mullandram Nateshan Bhaskaran</b>            |
| (62) Divisional to Application Number         | :NA       | <b>4)Banibrata Pandey</b>                         |
| Filing Date                                   | :NA       |                                                   |

(57) Abstract :

A process for fixation of elemental nitrogen for the production of cyanamides in which the fixation of nitrogen takes place upon reaction of nitrogen and/or nitrogen containing mixtures in a cold plasma reaction which may be of vacuum or fluidized bed and the products from the processes comprising urea, cyanamides, dicyandiamide, melamine, amides, cyanides, nitrides, preferably cyanamides, cyanides, urea, melamine especially preferred cyanamides or mixtures respectively.

No. of Pages : 13 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2229/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :01/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A WEB BASED METHOD AND SYSTEM FOR ENABLING USER TO GET OPINION FROM OTHER USERS AND GIVING OPINION TO OTHER USERS.

|                                               |                                                   |                                                                                                                                                                                                          |
|-----------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :G06Q30/00,<br>H04W88/02,<br>H04H60/91,<br>H04W80 | (71)Name of Applicant :<br><b>1)MR. KHANNA, AMIT</b><br>Address of Applicant :B-65 SUNRISE PARK,OPP DRIVE-<br>IN THEATER, THALTEJ ROAD AHMEDABAD, 380054<br>Gujarat India<br><b>2)MR. KHANNA, GAURAV</b> |
| (31) Priority Document No                     | :NA                                               | (72)Name of Inventor :                                                                                                                                                                                   |
| (32) Priority Date                            | :NA                                               | <b>1)MR. KHANNA, AMIT</b>                                                                                                                                                                                |
| (33) Name of priority country                 | :NA                                               | <b>2)MR. KHANNA, GAURAV</b>                                                                                                                                                                              |
| (86) International Application No             | :NA                                               |                                                                                                                                                                                                          |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                                          |
| (87) International Publication No             | :N/A                                              |                                                                                                                                                                                                          |
| (61) Patent of Addition to Application Number | :NA                                               |                                                                                                                                                                                                          |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                                          |
| (62) Divisional to Application Number         | :NA                                               |                                                                                                                                                                                                          |
| Filing Date                                   | :NA                                               |                                                                                                                                                                                                          |

(57) Abstract :

Present invention provides a system for sharing of information as well as opinion in a web based environment. The system includes at least one server at service provider side for enabling the sharing of information and opinion among users and one or more user terminals. The at least one server at the service provider side comprises processing unit, storage unit, post module to enable the user to post query, question, doubt, confusion and like for other users for opinion and answer from the other users, query module to enable the other users to access the query, question, doubt, confusion and like posted by the user through the post module, opinion delivering module to enable the other users to give opinion or answer, opinion fetching module to enable the user to see opinions or answers given by the other users, user category selection module to enable the user to make the query, question, doubt, confusion and like accessible to certain class of the users to get accurate and reliable answer and opinion. The at least one processing unit is operatively connected to the storage unit, post module, query module, opinion delivering module, opinion fetching module and user category selection module and configured to enable the storage unit, post module, query module, opinion delivering module, opinion fetching module and user category selection module to perform functions to be carried out by them. Also disclosed is a computer implemented method for sharing of information as well as opinion in a web based environment.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2512/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN ADENOSINE PREFILLED SYRINGE

|                                               |                                         |                                                                                                                                                                                      |
|-----------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K49/06,<br>B42D15/00,<br>C07D487/02 | (71) <b>Name of Applicant :</b><br><b>1)AGRAWAL Pawan</b><br>Address of Applicant :F 22 Akash Tower Opp. Premchand<br>nagar Judges Banglow Road Satellite Ahmedabad Gujarat<br>India |
| (31) Priority Document No                     | :NA                                     | <b>2)AGARWAL Zameer</b>                                                                                                                                                              |
| (32) Priority Date                            | :NA                                     | (72) <b>Name of Inventor :</b>                                                                                                                                                       |
| (33) Name of priority country                 | :NA                                     | <b>1)AGRAWAL Pawan</b>                                                                                                                                                               |
| (86) International Application No             | :NA                                     | <b>2)AGARWAL Zameer</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 :

The present invention is adenosine prefilled syringe made in glass that keeps adenosine contamination free prior to and while administration. The said syringe is filled with pre measured concentration of adenosine and hence does not require to be filled from ampoules prior to administration. The said syringes are prefilled so ampoules are not at all required and hence ampoules are not required to be separately handled and transported making handling easy and economical. The syringe being prefilled has no risk of contamination and help to deliver drug in an aseptic way.

No. of Pages : 18 No. of Claims : 2



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2748/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A SYSTEM AND METHOD FOR CUSTOMER EXPERIENCE MEASUREMENT & MANAGEMENT.

|                                               |            |                                                   |
|-----------------------------------------------|------------|---------------------------------------------------|
| (51) International classification             | :G06Q30/00 | (71) <b>Name of Applicant :</b>                   |
| (31) Priority Document No                     | :NA        | <b>1)TATA CONSULTANCY SERVICES LIMITED</b>        |
| (32) Priority Date                            | :NA        | Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, |
| (33) Name of priority country                 | :NA        | NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,        |
| (86) International Application No             | :NA        | INDIA.                                            |
| Filing Date                                   | :NA        | (72) <b>Name of Inventor :</b>                    |
| (87) International Publication No             | : NA       | <b>1)NANDAN ARMESH</b>                            |
| (61) Patent of Addition to Application Number | :NA        | <b>2)RATHOD RAKESH GUNVANTRAY</b>                 |
| Filing Date                                   | :NA        | <b>3)SIVASAMBAN, N</b>                            |
| (62) Divisional to Application Number         | :NA        |                                                   |
| Filing Date                                   | :NA        |                                                   |

(57) Abstract :

The invention measures and captures customer experience perception parameters against a host of touch-points and from various perspectives, through a coordinated and participative process. Further it provides detailed insight into various telecom process and application impacting the customer experience by using standard approach of eTOM process & TAM application for better understanding. The system also enabled to perform RAG analysis for the purpose of report generation that helps the management identify good/bad customer experience areas within the total lifecycle of the interaction with the customer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2410/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :17/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR THE PREPARATION OF DIPEPTIDYLPEPTIDASE INHIBITORS

|                                               |                                           |                                                                                                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C07D271/06,<br>C07D417/12,<br>C07D207/32 | (71) <b>Name of Applicant :</b><br><b>1)GLENMARK GENERICS LIMITED</b><br>Address of Applicant :GLENMARK HOUSE, HDO-<br>CORPORATE BLDG, WING -A, B.D. SAWANT MARG,<br>CHAKALA, ANDHERI (EAST), MUMBAI - 400 099<br>MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                       | (72) <b>Name of Inventor :</b>                                                                                                                                                                                                        |
| (32) Priority Date                            | :NA                                       | <b>1)SUNIL KUMAR SINGH</b>                                                                                                                                                                                                            |
| (33) Name of priority country                 | :NA                                       | <b>2)SACHIN SRIVASTAVA</b>                                                                                                                                                                                                            |
| (86) International Application No             | :NA                                       | <b>3)SHKEHAR BHASKAR BHIRUD</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 :

The process comprising deprotecting a compound of Formula II The present invention provides a process for the preparation of linagliptin, a compound of Formula I, wherein R1 and R2 together with the nitrogen to which they are attached form a phthalimido group, wherein the aromatic ring of the phthalimido group is substituted with one or more R3 substituents selected from the group consisting of halogen, alkyl, nitro and amino; or R1 is H and R2 is selected from the group consisting of trialkylsilyl, 2-trialkylsilylethoxycarbamates, acetyl, trihaloacetyl, 9-fluorenylmethoxycarbonyl, trityl, alkylsulfonyl, arylsulfonyl, diphenylphosphine and sulfonylethoxycarbonyl.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2617/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : MAGNETIC FIELD FEEDBACK BASED SPINTRONIC OSCILLATOR

|                                               |            |                                                |
|-----------------------------------------------|------------|------------------------------------------------|
| (51) International classification             | :H03B15/00 | (71)Name of Applicant :                        |
| (31) Priority Document No                     | :NA        | <b>1)Indian Institute of Technology Bombay</b> |
| (32) Priority Date                            | :NA        | Address of Applicant :Powai Mumbai 400076      |
| (33) Name of priority country                 | :NA        | MAHARASHTRA, INDIA.                            |
| (86) International Application No             | :NA        | (72)Name of Inventor :                         |
| Filing Date                                   | :NA        | <b>1)Dinesh Dixit</b>                          |
| (87) International Publication No             | : NA       | <b>2)Katsunori Konishi</b>                     |
| (61) Patent of Addition to Application Number | :NA        | <b>3)Chakkalakal Tomy</b>                      |
| Filing Date                                   | :NA        | <b>4)Yoshishige Suzuki</b>                     |
| (62) Divisional to Application Number         | :NA        | <b>5)Ashwin Tulapurkar</b>                     |
| Filing Date                                   | :NA        |                                                |

(57) Abstract :

The embodiments herein relate to a magnetic field feedback based spintronic microwave oscillator driven by DC current. The microwave oscillator works based on a magnetic tunnel junction structure connected to a feedback waveguide. Any fluctuation in the magnetization direction of free magnetization layer of MTJ drives an oscillating current through the feedback waveguide which in turn exerts an oscillating magnetic field on the free layer and amplifies the magnetization fluctuations. If the DC current passing through the MTJ is more than a critical value, continuous processing states of the magnetization are possible. The critical current is independent of the thickness and magnetization of the free layer. A MTJ can be driven into spontaneous oscillations with DC current and magnetic field feedback circuit and can act as a spintronic microwave oscillator.

No. of Pages : 53 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2452/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMPROVED DAPTOMYCIN INJECTABLE FORMULATION

|                                               |                                        |                                                                                                                                                                                  |
|-----------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :A61K47/26,<br>A61K47/18,<br>A61K38/15 | (71) <b>Name of Applicant :</b><br><b>1)STRIDES ARCOLAB LIMITED</b><br>Address of Applicant :NO. 201, 'DEVAVRATA' SECTOR 17,<br>VASHI, NAVI MUMBAI -400 703, MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                                    | (72) <b>Name of Inventor :</b>                                                                                                                                                   |
| (32) Priority Date                            | :NA                                    | <b>1)CHETLAPALLI, SATYA SRINIVAS</b>                                                                                                                                             |
| (33) Name of priority country                 | :NA                                    | <b>2)MANDAVILLI, SRIRAMA SARVESWARA RAO</b>                                                                                                                                      |
| (86) International Application No             | :NA                                    | <b>3)JUSTIN BABU</b>                                                                                                                                                             |
| Filing Date                                   | :NA                                    | <b>4)MEDA, SATHYANARAYAN SRINIVAS</b>                                                                                                                                            |
| (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 disclose a lyophilized pharmaceutical formulation comprising antibacterial agent, daptomycin as active and tocopheryl phosphate hydrolysate mixture with improved reconstitution time for parental administration and to the process of preparation thereof.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3390/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF LEVOMEPRMAZINE MALEATE

|                                               |                            |                                                                                                                                                                                     |
|-----------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C07C221/00,<br>C07C225/16 | (71) <b>Name of Applicant :</b><br><b>1)ZCL CHEMICALS LTD.</b><br>Address of Applicant : 'A'-806/807, 215 ATRIUM<br>CHAKALA, ANDHERI (EAST), MUMBAI-400 059,<br>MAHARASHTRA, 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)AGARWAL NAND LAL</b>                                                                                                                                                           |
| (87) International Publication No             | : NA                       | <b>2)MISTRI PRANAV POPATLAL</b>                                                                                                                                                     |
| (61) Patent of Addition to Application Number | :NA                        | <b>3)PATEL NITIN MAGANBHAI</b>                                                                                                                                                      |
| Filing Date                                   | :NA                        |                                                                                                                                                                                     |
| (62) Divisional to Application Number         | :NA                        |                                                                                                                                                                                     |
| Filing Date                                   | :NA                        |                                                                                                                                                                                     |

(57) Abstract :

The present invention relates to an industrially viable and environmentally advantageous process for the preparation of levomepromazine maleate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2423/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF TRANSPARENT CONDUCTIVE OXIDES

|                                               |                                                   |                                                                                                                                                       |
|-----------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C23C14/08,<br>C23C14/34,<br>C04B35/645,<br>C03C1 | (71)Name of Applicant :<br><b>1)SIGMA ENERGY</b><br>Address of Applicant :PLOT NO. E-67 & 68, GIDC, PHASE-II, DARED, JAMNAGAR-361 004, GUJARAT-INDIA. |
| (31) Priority Document No                     | :NA                                               | (72)Name of Inventor :                                                                                                                                |
| (32) Priority Date                            | :NA                                               | <b>1)PATEL JASHMIN PRAVINBHAI</b>                                                                                                                     |
| (33) Name of priority country                 | :NA                                               | <b>2)PATEL SANJAYKUMAR HASMUKHBHAI</b>                                                                                                                |
| (86) International Application No             | :NA                                               | <b>3)NIRMAL JAY PARSOTTAMBHAI</b>                                                                                                                     |
| Filing Date                                   | :NA                                               | <b>4)DOSI PROMISE ABHAYKUMAR</b>                                                                                                                      |
| (87) International Publication No             | : NA                                              | <b>5)CHHASATIA MEHULSINH RANJITSINH</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 a process for the preparation of transparent conductive oxides. More particularly, the present invention relates to a process for the preparation of transparent conductive oxides using a chemical process wherein Aluminium doped Zinc oxide (AZO), Fluorine doped zinc oxide (FZO), Gallium doped Zinc Oxide (GZO), Fluorine Doped Tin Oxide (FTO), Antimony doped Tin Oxide (ATO), and Tin doped Indium Oxide (ITO) and the other similar transparent conductive oxides have been prepared by the process as disclosed herein below.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2772/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :29/09/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : SLAG LADLE FOR RECOVERY OF IRON BY SEPARATION OF SLAG

(51) International classification

:F27D  
3/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)TUPKARY Ramchandra Harisa**

Address of Applicant :75 Vidya Vihar colony Ranapratap

Nagar (Ring Road) Nagpur Maharashtra India

(72)Name of Inventor :

**1)TUPKARY Ramchandra Harisa**

(57) Abstract :

In an implementation, an apparatus for separation and recovery of a molten metal (106) from a slag (108) includes a device (400) attached to a slag ladle (100). The device (400) having a lower edge (404) and free edge (402) is fitted over a part of the slag-ladle (100) holding the molten metal (106) and the slag (108). The device (400) acts as a barrier for the flow of molten iron (106) such that the slag (108) is allowed to flow over the device (400) while the molten metal (106) is retained in the slag-ladle (100). The device (400) has a sluice gate (406) and a chute (408) for indicating the flow of the slag (108) in the form of a pipe-like stream.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3341/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :22/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A PROCESS FOR THE PREPARATION OF ACEBROPHYLLINE

|                                               |                             |                                                                                                                                                                                                                |
|-----------------------------------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :C07C215/44,<br>C07D473/08, | (71)Name of Applicant :<br><b>1)AMI LIFESCIENCES PVT. LTD.</b><br>Address of Applicant :2ND FLOOR, PRESTIGE PLAZA, 40,<br>URMI SOCIETY, URMI CHAR RASTA, PRODUCTIVITY<br>ROAD, VADODARA-390 020, Gujarat India |
| (31) Priority Document No                     | :NA                         |                                                                                                                                                                                                                |
| (32) Priority Date                            | :NA                         |                                                                                                                                                                                                                |
| (33) Name of priority country                 | :NA                         |                                                                                                                                                                                                                |
| (86) International Application No             | :NA                         | (72)Name of Inventor :                                                                                                                                                                                         |
| Filing Date                                   | :NA                         | <b>1)PATEL, KALPESH, RAVAJIBHAI</b>                                                                                                                                                                            |
| (87) International Publication No             | : NA                        | <b>2)THAKRAR, VIRENDRA, HARIDASBHAI</b>                                                                                                                                                                        |
| (61) Patent of Addition to Application Number | :NA                         | <b>3)DODIYA, DIPTI, KISHORBHAI</b>                                                                                                                                                                             |
| Filing Date                                   | :NA                         | <b>4)SOLANKI, SHARAD, KANABHAI</b>                                                                                                                                                                             |
| (62) Divisional to Application Number         | :NA                         | <b>5)SHAH, KINCHIT, JITENDRAKUMAR</b>                                                                                                                                                                          |
| Filing Date                                   | :NA                         |                                                                                                                                                                                                                |

(57) Abstract :

The present invention relates to an improved process for preparing Acebrophylline comprising preparing a reaction mixture of theophylline-7-acetate and ambroxol base in a non-polar solvent; heating said reaction mixture at a suitable temperature; and isolating Acebrophylline by filtration. The yield of Acebrophylline is between 95-98 % with a purity of 99%.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3344/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :22/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SYSTEM AND METHOD FOR PROVIDING SPRING CLAMP IN CONNECTOR.

|                                               |                             |                                                                                                                                                                               |
|-----------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :H01R<br>4/48,<br>H01R43/00 | (71) <b>Name of Applicant :</b><br><b>1)LARSEN &amp; TOUBRO LIMITED</b><br>Address of Applicant :L & T HOUSE, BALLARD ESTATE,<br>MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA. |
| (31) Priority Document No                     | :NA                         | (72) <b>Name of Inventor :</b>                                                                                                                                                |
| (32) Priority Date                            | :NA                         | <b>1)KANNADKAR, DINESH, RAMESH</b>                                                                                                                                            |
| (33) Name of priority country                 | :NA                         | <b>2)LONDE, RAJESH, S</b>                                                                                                                                                     |
| (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 system for providing spring clamp (5) in connector. The system comprises a terminal block means having plurality of connector. The terminal block means comprises a housing (8) ; a terminal plate (7) having a substantially C-shaped modular profile , a cover (6) and a spring clamp (5) positioned on terminal plate (7) to provide normal force contact to terminal plate (7).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/11/2012

(21) Application No.3349/MUM/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : THE MOUTH (ORAL) REFRESHER / FRESHENERS COMPOSITION

|                                               |                                      |                                                                                                                                                                                                                                 |
|-----------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (51) International classification             | :a61k36/00,<br>A61K8/22,<br>A61K8/19 | (71)Name of Applicant :<br><b>1)DR. HARSHAD SANGHRAJKA</b><br>Address of Applicant :32-B, ANITA, MOUNT PLEASANT<br>ROAD, MUMBAI 400 066, MAHARASHTRA, INDIA.<br><b>2)MRS. SHILPI JAY MEHTA</b><br><b>3)MS. PAYAL SANGHRAJKA</b> |
| (31) Priority Document No                     | :NA                                  | (72)Name of Inventor :<br><b>1)DR. HARSHAD SANGHRAJKA</b><br><b>2)MRS. SHILPI JAY MEHTA</b><br><b>3)MS. PAYAL SANGHRAJKA</b>                                                                                                    |
| (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 :

A safe herbal composition of mouth refresher and the process of preparing thereof, comprising, detoxified processed betel nuts taken in the range of 60% to 95% by weight of the composition, coated with Powder Coating Compound (CCP) 6 to 15% by wt. selected from a group comprising Maize starch, Potato starch, Fumed Colloidal Silica (Silicon dioxide), Manitol, Sorbitol, Maltodextrin, Microcrystalline cellulose, Jingseng, CoEnzyme-Q10 (Anti-Oxidant) Camphor, Menthol, Guar gum, Agar Agar, Xanthium gum, etc., and Liquid Coating Compound (CCL) 0.5 to 1.5% by wt. selected from a group comprising Rice bran oil, Olive oil, Castor oil, Sweet Almond oil Diacetin, Glycerin, Organic/non-organic Spices, Food colours, Essential oils and flavouring agents.

No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.985/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :30/03/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : DIRECT MOUNTING EXHAUST SILENCER FOR INTERNAL COMBUSTION ENGINES

|                                               |                         |
|-----------------------------------------------|-------------------------|
| (51) International classification             | :F02M35/12,<br>F01N1/02 |
| (31) Priority Document No                     | :NA                     |
| (32) Priority Date                            | :NA                     |
| (33) Name of priority country                 | :NA                     |
| (86) International Application No             | :NA                     |
| Filing Date                                   | :NA                     |
| (87) International Publication No             | : NA                    |
| (61) Patent of Addition to Application Number | :NA                     |
| Filing Date                                   | :NA                     |
| (62) Divisional to Application Number         | :NA                     |
| Filing Date                                   | :NA                     |

(71)**Name of Applicant :**  
**1)MAHINDRA AND MAHINDRA LTD.**  
Address of Applicant :GATEWAY BUILDING, APOLLO  
BUNDER, MUMBAI - 400001, MAHARASHTRA, INDIA.  
(72)**Name of Inventor :**  
**1)GANLA, ABHAYKUMAR N**  
**2)R AJIT**  
**3)WAGHE, SACHIN DNYANDEO**

(57) Abstract :

The present invention provides a direct mounting exhaust silencer which is devoid of exhaust manifold for internal combustion engines. The inlet passages of the silencer are corrected directly to the exhaust ports of the engine. A number of resonating chambers are provided which are separated with baffle plates and connected with perforated communication tubes. It has been found that the resultant system very compact as compared to the existing exhaust systems. It has also been found that the silencer lowers back pressure in the exhaust system and attenuates the noise levels.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3376/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :01/12/2011

(43) Publication Date : 30/05/2014

(54) Title of the invention : A FRONTAL STRUCTURE OF A VEHICLE

|                                               |             |                                                         |
|-----------------------------------------------|-------------|---------------------------------------------------------|
| (51) International classification             | :B60R 19/00 | (71)Name of Applicant :<br><b>1)TATA MOTORS LIMITED</b> |
| (31) Priority Document No                     | :NA         | Address of Applicant :Bombay House 24 Homi Mody Street  |
| (32) Priority Date                            | :NA         | Hutatma Chowk Mumbai 400 001 MAHARASHTRA, INDIA.        |
| (33) Name of priority country                 | :NA         | (72)Name of Inventor :                                  |
| (86) International Application No             | :NA         | <b>1)VIJAY PACHORE</b>                                  |
| Filing Date                                   | :NA         | <b>2)PRATAP DAPHAL</b>                                  |
| (87) International Publication No             | : NA        | <b>3)SACHIN PATARE</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 a frontal structure of a vehicle for absorbing impact energy. Said frontal structure comprises at least one sub frame structure connected to chassis of the vehicle in length wise direction. The sub frame structure includes, at least one first longitudinal member connected to the chassis at an angle, at least one suspension support member connected to the chassis, and an intermediate bracket interconnecting said first longitudinal member and said suspension support member. The first longitudinal member is coupled to the intermediate bracket in such a way that the first longitudinal member oriented inline with the axis of the intermediate bracket during an impact and crushed axially to absorb impact energy.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1456/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :11/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND SYSTEM TO SHARE, SYNCHRONIZE CONTENTS IN CROSS PLATFORM ENVIRONMENTS

|                                               |           |
|-----------------------------------------------|-----------|
| (51) International classification             | :G06F3/00 |
| (31) Priority Document No                     | :NA       |
| (32) Priority Date                            | :NA       |
| (33) Name of priority country                 | :NA       |
| (86) International Application No             | :NA       |
| Filing Date                                   | :NA       |
| (87) International Publication No             | : NA      |
| (61) Patent of Addition to Application Number | :NA       |
| Filing Date                                   | :NA       |
| (62) Divisional to Application Number         | :NA       |
| Filing Date                                   | :NA       |

(71)Name of Applicant :

**1)Samsung India Software Operations Pvt Ltd**

Address of Applicant :Bagmane Lakeview Block B No. 66/1  
Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-  
560093 Gujarat India

(72)Name of Inventor :

**1)Gaurav Kumar Jain**

**2)Anisha V.T.**

**3)Jayakarthick.S.**

**4)Girish Kulkarni**

**5)Samrat Subhash Nawle**

**6)Neha Vijay Bharshankar**

**7)Sheriyar S**

(57) Abstract :

A method and system to manage items associated with different entities is disclosed. The items can be contents and contacts. The entities can be Social Networking Sites (SNS), device, and contact groups in the device, contact groups in the SNS, content hosting servers or the like. The proposed method provides a grid structure to display items associated with different entities. Further, the method allows a user to share items by performing one or more actions. The actions can be voice, gesture or gaze. The gesture can be emotion, tap, scroll, drag, drop, pinch, swipe and hover. The method facilitates re-location, re-grouping the items. The method allows the user to create and edit album and relational view with the items associated with different entities.

No. of Pages : 48 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3606/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : DEVICE FOR STOWING WIRING CONDUCTORS OF APPARATUSES IN AN ELECTRIC CABINET EQUIPPED WITH FITTING RAILS FOR SAID APPARATUSES

|                                               |             |                                                      |
|-----------------------------------------------|-------------|------------------------------------------------------|
| (51) International classification             | :H05K7/00   | (71)Name of Applicant :                              |
| (31) Priority Document No                     | :11 02702   | <b>1)SCHNEIDER ELECTRIC INDUSTRIES SAS</b>           |
| (32) Priority Date                            | :06/09/2011 | Address of Applicant :35, RUE JOSEPH MONIER, F-92500 |
| (33) Name of priority country                 | :France     | RUEIL MALMAISON France                               |
| (86) International Application No             | :NA         | (72)Name of Inventor :                               |
| Filing Date                                   | :NA         | <b>1)LINARES, LOUIS</b>                              |
| (87) International Publication No             | : NA        | <b>2)FLAMENT, PATRICK</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 a device (1) for stowing wiring conductors of equipment units in an electric cabinet equipped with support rails for mounting said equipment units, this device being characterized in that it comprises at least one foot (2) comprising means for fixing in removable manner to the rail, said foot also comprising at one of its ends means for removable fixing of a strap called main strap (3) designed for passage of conductors, said conductors extending in a parallel direction to the longitudinal direction of the rail, said strap (3) comprising fixing means to a wiring accessory (13) called first accessory.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4288/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ROTATING ELECTRICAL MACHINE

|                                               |              |                                                |
|-----------------------------------------------|--------------|------------------------------------------------|
| (51) International classification             | :H02K9/00    | (71) <b>Name of Applicant :</b>                |
| (31) Priority Document No                     | :2011-246360 | <b>1)KABUSHIKI KAISHA YASKAWA DENKI</b>        |
| (32) Priority Date                            | :10/11/2011  | Address of Applicant :2-1, KUROSAKI-SHIROISHI, |
| (33) Name of priority country                 | :Japan       | YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-   |
| (86) International Application No             | :NA          | 0004 Japan                                     |
| Filing Date                                   | :NA          | (72) <b>Name of Inventor :</b>                 |
| (87) International Publication No             | : NA         | <b>1)TOSHIO NAGAO</b>                          |
| (61) Patent of Addition to Application Number | :NA          | <b>2)MITSUTOSHI NAGAO</b>                      |
| Filing Date                                   | :NA          |                                                |
| (62) Divisional to Application Number         | :NA          |                                                |
| Filing Date                                   | :NA          |                                                |

(57) Abstract :

A rotating electrical machine (10) includes a cylindrical stator (21) and a frame (11) including a first portion (11a) and a second portion (11h), the first portion (11a) being formed by reducing the diameter of the frame (11) at a part of an outer peripheral surface such that the thickness of the frame at the part is reduced, the second portion (11h) having a larger thickness than the first portion (11a), the stator (21) being provided to an inner peripheral surface of the frame (11) . The frame (11) includes a containing portion (11b), a first coolant path (11c), and a second coolant path (11d). The containing portion (11b) contains a thermal component (23), the first coolant path (11e) is formed between the containing portion (11b) and the stator (21), and the second coolant path (11d) is formed in the second portion (11h).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4402/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PRE ENGINEERED BUILDINGS

|                                               |           |                                                |
|-----------------------------------------------|-----------|------------------------------------------------|
| (51) International classification             | :E04D3/00 | (71) <b>Name of Applicant :</b>                |
| (31) Priority Document No                     | :NA       | <b>1)SAJID PASHA NELLIKURUSI</b>               |
| (32) Priority Date                            | :NA       | Address of Applicant :AMEEN MANZIL TIRURANGADI |
| (33) Name of priority country                 | :NA       | (P.O), MALAPPURAM (DT) - 676 306 Kerala India  |
| (86) International Application No             | :NA       | (72) <b>Name of Inventor :</b>                 |
| Filing Date                                   | :NA       | <b>1)SAJID PASHA NELLIKURUSI</b>               |
| (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 :

In a Pre Engineered Building, the purlins are split into two types of segments, the first segment (8) be those are bearing positive bending moments alone and the second segment (9) be those are bearing the negative bending moment alone, arranged in such a fashion that the maximum value of bending moments on the purlins are reduced by a considerable margin and so strength per material usage ratio is increased when compared to presently available practice of purlin arrangement methods.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.4403/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : WORK, ON WHEELS (W, OW!)[ A METHOD AND PROCESS OF CONVERTING IDLE TRANSIT TIME OF PASSENGERS INTO PRODUCTIVE TIME AND AVAILING THE CROSS SUBSIDY BENEFITS TO THE PASSENGERS AND BUSINESS ORGANIZATIONS]

|                                               |            |                                                     |
|-----------------------------------------------|------------|-----------------------------------------------------|
| (51) International classification             | :G06Q10/00 | (71)Name of Applicant :                             |
| (31) Priority Document No                     | :NA        | <b>1)ITHADI. SUBBA RAO</b>                          |
| (32) Priority Date                            | :NA        | Address of Applicant :S/O I. VAJRAAM, H-NO-3-99A,   |
| (33) Name of priority country                 | :NA        | BODDUVANI PALEM (POST), KORISA PADU(MANDAL),        |
| (86) International Application No             | :NA        | PRAKASAM (DIST), PIN - 523 212 Andhra Pradesh India |
| Filing Date                                   | :NA        | (72)Name of Inventor :                              |
| (87) International Publication No             | : NA       | <b>1)ITHADI. SUBBA RAO</b>                          |
| (61) Patent of Addition to Application Number | :NA        |                                                     |
| Filing Date                                   | :NA        |                                                     |
| (62) Divisional to Application Number         | :NA        |                                                     |
| Filing Date                                   | :NA        |                                                     |

(57) Abstract :

A method and process of creating an alternate business resources, to provide low cost of transportation service , cross subsidy benefits if the passengers will converts their idle transit time into productive time, low operating expenses ,Human resources, electric energy ,human productivity, office rentals for business organizations if they utilize the transit time and space by utilizing the existence of registered passengers. People are transiting from place to place by walk/bicycle for short distances, for small, medium and long distances they choose public transport mediums (road, rail, air, maritime). While transiting from place to place passengers took the ticket, paying the ticket fare and sitting idle to reach their destination. The present invention describes a method and process to converts idle transit time of passengers into productive time and offering the cross subsidized products, services and other benefits to the productive passengers.

No. of Pages : 25 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3472/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/08/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : NAVIGATION DEVICE - ALERTING AN USER ABOUT THE OTHER VEHICLES

|                                               |            |                                                                  |
|-----------------------------------------------|------------|------------------------------------------------------------------|
| (51) International classification             | :G01C21/00 | (71)Name of Applicant :                                          |
| (31) Priority Document No                     | :NA        | <b>1)ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED</b> |
| (32) Priority Date                            | :NA        | Address of Applicant :123, INDUSTRIAL LAYOUT,                    |
| (33) Name of priority country                 | :NA        | HOSUR ROAD, KORMANGALA, BANGALORE - 560 095                      |
| (86) International Application No             | :NA        | Karnataka India                                                  |
| Filing Date                                   | :NA        | <b>2)ROBERT BOSCH GMBH</b>                                       |
| (87) International Publication No             | : NA       | (72)Name of Inventor :                                           |
| (61) Patent of Addition to Application Number | :NA        | <b>1)SREEJA ARUNKUMAR</b>                                        |
| Filing Date                                   | :NA        |                                                                  |
| (62) Divisional to Application Number         | :NA        |                                                                  |
| Filing Date                                   | :NA        |                                                                  |

(57) Abstract :

The invention discloses a navigation device fitted in a first vehicle. The navigation device comprises an input means (12) to receive user inputs, an output means (14) to present data to the user, a position finding means (16) to determine current position of the first vehicle, a navigation database (24) containing road network and POI information. The navigation device (10) is characterized by a camera 13 to take a picture of a second vehicle which is travelling in front; a text database (26) storing a set of texts and their attributes; a determining means (19) to recognize text from the picture; to determine whether the second vehicle is going to stop at any location along the route of the first vehicle and generate a warning in advance to the user about slowing of the second vehicle at a predefined location

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4240/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD AND A SYSTEM FOR ADJUSTING NOZZLE AREA IN STEAM TURBINES

|                                               |            |                                                                               |
|-----------------------------------------------|------------|-------------------------------------------------------------------------------|
| (51) International classification             | :F01D 5/00 | (71) <b>Name of Applicant :</b><br><b>1)BINDINGNAVALE RANGA KRISHNA KUMAR</b> |
| (31) Priority Document No                     | :NA        | Address of Applicant :#202 SURYA APARTMENTS, NO.                              |
| (32) Priority Date                            | :NA        | 16, FIFTH MAIN ROAD, MALLESWARAM, BANGALORE -                                 |
| (33) Name of priority country                 | :NA        | 560 003 Karnataka India                                                       |
| (86) International Application No             | :NA        | (72) <b>Name of Inventor :</b>                                                |
| Filing Date                                   | :NA        | <b>1)BINDINGNAVALE RANGA KRISHNA KUMAR</b>                                    |
| (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 various embodiments of the present invention provide a method and a system for controlling a nozzle area in a steam turbine. The system comprises a nozzle ring provided with a plurality of nozzle blades at an outer edge. The steam enters into the nozzle ring and jets out on the blades of the rotor disk. When there is an off design condition, the nozzle blades are plugged or opened by adding or removing the inserts. The nozzle area is increased or decreased by opening or plugging the nozzle passages manually or automatically with the help of the inserts. The present invention provides a cost effective and simple solution to deal with the off design conditions.

No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4814/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SWEETENER COMPOSITION

|                                               |           |                                                |
|-----------------------------------------------|-----------|------------------------------------------------|
| (51) International classification             | :A23L1/00 | (71)Name of Applicant :                        |
| (31) Priority Document No                     | :NA       | <b>1)LOWKAL HEALTHCARE PVT. LTD.</b>           |
| (32) Priority Date                            | :NA       | Address of Applicant :345/4, BHATRAHALLI, OLD  |
| (33) Name of priority country                 | :NA       | MADRAS ROAD, BANGALORE 560 049 Karnataka India |
| (86) International Application No             | :NA       | (72)Name of Inventor :                         |
| Filing Date                                   | :NA       | <b>1)VINOD SADASHIVAIAH</b>                    |
| (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 invention provides a low calorie sweetener composition made from stevia containing greater than 90 % Rebaudioside A. The said low calorie sweetener composition has low or no bitter aftertaste, quick onset of sweetness, longer stay or duration of sweetness and is without much cooling or astringent effect. The sweetener composition is in granulated form and comprises Stevia and at least one diluent. Diluent can be erythritol or mixture of erythritol and lactose. Invention also provides process of preparing low calorie sweetener composition using concentrated stevia solution.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4819/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : POSITION DETECTOR

|                                               |              |                                                                                |
|-----------------------------------------------|--------------|--------------------------------------------------------------------------------|
| (51) International classification             | :G01C21/00   | (71)Name of Applicant :                                                        |
| (31) Priority Document No                     | :2011-254956 | <b>1)DENSO CORPORATION</b>                                                     |
| (32) Priority Date                            | :22/11/2011  | Address of Applicant :1-1, SHOWA-CHO, KARIYA-CITY, AICHI-PREF., 448-8661 Japan |
| (33) Name of priority country                 | :Japan       | (72)Name of Inventor :                                                         |
| (86) International Application No             | :NA          | <b>1)TAKAMITSU KUBOTA</b>                                                      |
| Filing Date                                   | :NA          | <b>2)TOHRU SHIMIZU</b>                                                         |
| (87) International Publication No             | : NA         | <b>3)TETSUYA HARA</b>                                                          |
| (61) Patent of Addition to Application Number | :NA          | <b>4)YOSHIYUKI KONO</b>                                                        |
| Filing Date                                   | :NA          |                                                                                |
| (62) Divisional to Application Number         | :NA          |                                                                                |
| Filing Date                                   | :NA          |                                                                                |

(57) Abstract :

In a position detector for detecting a position of a detection body, a signal processing circuit processes a signal outputted from a magnetic field detection element. A first storage circuit stores the signal outputted from the magnetic field detection element and outputs a signal to an external device through an output circuit in a normal operation mode. A second storage circuit stores an output value of the first storage circuit. When a malfunction determination circuit determines an instantaneous power interruption mode, a signal route changing circuit prevents a signal transmission between the first storage circuit and the second storage circuit and a signal transmission between the first storage circuit and the output circuit, prevents the second storage circuit from updating data for a certain period of time, and permits the second storage circuit in which updating is prevented to output a signal to the output circuit.

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/10/2012

(21) Application No.4391/CHE/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : NON ELECTRICAL CHOKE

|                                               |           |                                                 |
|-----------------------------------------------|-----------|-------------------------------------------------|
| (51) International classification             | :F02M1/00 | (71)Name of Applicant :                         |
| (31) Priority Document No                     | :NA       | <b>1)TVS MOTOR COMPANY LIMITED</b>              |
| (32) Priority Date                            | :NA       | Address of Applicant :JAYALAKSHMI ESTATES NO.29 |
| (33) Name of priority country                 | :NA       | (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil  |
| (86) International Application No             | :NA       | Nadu India                                      |
| Filing Date                                   | :NA       | (72)Name of Inventor :                          |
| (87) International Publication No             | : NA      | <b>1)RAHUL SHARMA</b>                           |
| (61) Patent of Addition to Application Number | :NA       | <b>2)VIGNESHWARA RAJA KESAVAN</b>               |
| Filing Date                                   | :NA       | <b>3)RAMADOSS SAMBATHKUMAR</b>                  |
| (62) Divisional to Application Number         | :NA       | <b>4)D. VENKATESAN</b>                          |
| Filing Date                                   | :NA       |                                                 |

(57) Abstract :

The present invention describes a non-electric, manually operable choke valve operating mechanism for a straddle type vehicle which self-retracts to its default position after being operated by the vehicle operator. The mechanism provides a low cost, easily operable, self retracting, stand alone mechanism for achieving the function of choke valve operation without being dependent on any electrical system or electrical power source.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4393/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : FRONT FENDER FOR A MOTORCYCLE

|                                               |           |                                                 |
|-----------------------------------------------|-----------|-------------------------------------------------|
| (51) International classification             | :B62J6/00 | (71) <b>Name of Applicant :</b>                 |
| (31) Priority Document No                     | :NA       | <b>1)TVS MOTOR COMPANY LIMITED</b>              |
| (32) Priority Date                            | :NA       | Address of Applicant :JAYALAKSHMI ESTATES NO.29 |
| (33) Name of priority country                 | :NA       | (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil  |
| (86) International Application No             | :NA       | Nadu India                                      |
| Filing Date                                   | :NA       | (72) <b>Name of Inventor :</b>                  |
| (87) International Publication No             | : NA      | <b>1)ARUL DASS PAUL CHRISTUDASS</b>             |
| (61) Patent of Addition to Application Number | :NA       | <b>2)MEGANATHAN MOHANKUMAR</b>                  |
| Filing Date                                   | :NA       |                                                 |
| (62) Divisional to Application Number         | :NA       |                                                 |
| Filing Date                                   | :NA       |                                                 |

(57) Abstract :

Given disclosure describes a front fender structure for a motorcycle. Said front fender has a front part, a rear part and a centre part integrated with each other such that centre part is connected with front and rear part at different ends. Multiple side brackets are fixed in vertical orientation below the centre part such that side brackets are fixed with front end of rear part and rear end of front part. Front suspension assembly is passing through the cut outs formed on the sides of the centre part and a wiring route is defined by the side brackets. Said wiring route keeps passing wiring harness intact from damages.

No. of Pages : 9 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4394/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SUPPORTING BRIDGE FOR A STRADDLE TYPE VEHICLE

|                                               |       |                                                 |
|-----------------------------------------------|-------|-------------------------------------------------|
| (51) International classification             | :B62K | (71) <b>Name of Applicant :</b>                 |
| (31) Priority Document No                     | :NA   | <b>1)TVS MOTOR COMPANY LIMITED</b>              |
| (32) Priority Date                            | :NA   | Address of Applicant :JAYALAKSHMI ESTATES NO.29 |
| (33) Name of priority country                 | :NA   | (OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil  |
| (86) International Application No             | :NA   | Nadu India                                      |
| Filing Date                                   | :NA   | (72) <b>Name of Inventor :</b>                  |
| (87) International Publication No             | : NA  | <b>1)SOMASUNDARAM SARAVANARAJAN</b>             |
| (61) Patent of Addition to Application Number | :NA   | <b>2)CHANDAN BANSILAL CHAVAN</b>                |
| Filing Date                                   | :NA   | <b>3)BAPANNA DORA KAREDLA</b>                   |
| (62) Divisional to Application Number         | :NA   |                                                 |
| Filing Date                                   | :NA   |                                                 |

(57) Abstract :

The present subject matter discloses a supporting bridge for a straddle type vehicle having better strength and durability to withstand road shocks, loads and other impacts. The supporting bridge comprises of a bush having a continuous bore side and a discontinuous bore side with an improved slitting pattern.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.4614/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PRODUCTION OF PARAFFIN FUELS USING RENEWABLE MATERIALS BY A CONTINUOUS HYDROTREATMENT COMPRISING A PRE-TREATMENT STEP UNDER HYDROGEN

|                                               |             |                                                   |
|-----------------------------------------------|-------------|---------------------------------------------------|
| (51) International classification             | :C10G3/00   | (71)Name of Applicant :                           |
| (31) Priority Document No                     | :11/03.412  | <b>1)IFP ENERGIES NOUVELLES</b>                   |
| (32) Priority Date                            | :08/11/2011 | Address of Applicant :1 & 4 AVENUE DE BOIS-PREAU, |
| (33) Name of priority country                 | :France     | 92852 RUEIL-MALMAISON CEDEX France                |
| (86) International Application No             | :NA         | (72)Name of Inventor :                            |
| Filing Date                                   | :NA         | <b>1)DUPASSIEUX, NATHALIE</b>                     |
| (87) International Publication No             | : NA        | <b>2)CHAPUS, THIERRY</b>                          |
| (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 process for hydrotreatment of a feed from renewable sources such as vegetable oils for the production of paraffinic hydrocarbons comprising a pretreatment step by crystallisation and/or precipitation and prehydrogenation of the feed under hydrogen allowing the elimination of insoluble inorganic impurities under hydrotreatment conditions and improved exothermal management of the reaction. The flow of the total treated feed is divided up into a certain number of different, part flows equal to the number of catalytic zones in the reactor, and the different part flows are injected in the successive catalytic zones in increasing proportions to produce an effluent containing paraffinic hydrocarbons. The effluent is subjected to a separation step allowing separation of a gas fraction and a liquid fraction containing paraffinic hydrocarbons. At least a portion of said liquid fraction is recycled either to the pretreatment step or to at least one catalytic zone such that the weight ratio between this recycle and the part flow introduced into the first catalytic zone is greater than or equal to 10.

No. of Pages : 38 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4861/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD, SYSTEM AND APPARATUS FOR CONDUCTING A RELIABLE SURVEY

|                                               |            |                                                        |
|-----------------------------------------------|------------|--------------------------------------------------------|
| (51) International classification             | :G06Q30/00 | (71)Name of Applicant :                                |
| (31) Priority Document No                     | :NA        | <b>1)MUBBLE NETWORKS PRIVATE LIMITED</b>               |
| (32) Priority Date                            | :NA        | Address of Applicant :#16, IIA, SBI COLONY, 3RD BLOCK, |
| (33) Name of priority country                 | :NA        | KORAMANGALA, BANGALORE Karnataka India                 |
| (86) International Application No             | :NA        | (72)Name of Inventor :                                 |
| Filing Date                                   | :NA        | <b>1)PRANAV KUMAR JHA</b>                              |
| (87) International Publication No             | : NA       | <b>2)RAGHVENDRA VARMA</b>                              |
| (61) Patent of Addition to Application Number | :NA        |                                                        |
| Filing Date                                   | :NA        |                                                        |
| (62) Divisional to Application Number         | :NA        |                                                        |
| Filing Date                                   | :NA        |                                                        |

(57) Abstract :

A survey system in an embodiment of the present invention monitors the integrity of the data collected by the surveyor. The surveyor is enabled with a mobile device to collect the response from plurality of respondents along with integrity data. A server is configured to receive the responses along with integrity data from the mobile device of the surveyor. The server assigns a quality score for each response based on the integrity data. According to one embodiment of the present invention, the response collector in a survey system may receive survey data comprising a plurality of responses and a plurality of integrity data from a mobile device. The response comprises a plurality of answers to corresponding plurality of questions and the integrity data may comprise at least one of time taken to answer a question in a survey, first location where a respondent answered to the question and biometric data of the respondent.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4553/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ROBOT SYSTEM

|                                               |              |                                                |
|-----------------------------------------------|--------------|------------------------------------------------|
| (51) International classification             | :B25J9/00    | (71) <b>Name of Applicant :</b>                |
| (31) Priority Document No                     | :2012-011968 | <b>1)KABUSHIKI KAISHA YASKAWA DENKI</b>        |
| (32) Priority Date                            | :24/01/2012  | Address of Applicant :2-1, KUROSAKI-SHIROISHI, |
| (33) Name of priority country                 | :Japan       | YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-   |
| (86) International Application No             | :NA          | 0004 Japan                                     |
| Filing Date                                   | :NA          | (72) <b>Name of Inventor :</b>                 |
| (87) International Publication No             | : NA         | <b>1)YOSHIKI KIMURA</b>                        |
| (61) Patent of Addition to Application Number | :NA          |                                                |
| Filing Date                                   | :NA          |                                                |
| (62) Divisional to Application Number         | :NA          |                                                |
| Filing Date                                   | :NA          |                                                |

(57) Abstract :

A robot system includes: a robot including a hand configured to hold a thin plate-shaped workpiece and an arm configured to move the hand; and a robot controller configured to control the robot. The robot controller controls the robot to perform a transfer of the workpiece at a predetermined workpiece transfer position in such a way that the hand is moved in a horizontal direction while being moved in a vertical direction after the hand has reached the workpiece transfer position.

No. of Pages : 54 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4788/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : TRUNNION DRIVEN MULTI GENERATOR FOR A WIND TURBINE

|                                               |            |                                                 |
|-----------------------------------------------|------------|-------------------------------------------------|
| (51) International classification             | :F03D11/00 | (71) <b>Name of Applicant :</b>                 |
| (31) Priority Document No                     | :NA        | <b>1)VALAGAM RAJAGOPAL RAGHUNATHAN</b>          |
| (32) Priority Date                            | :NA        | Address of Applicant :OLD NO.6, NEW NO.72, 12TH |
| (33) Name of priority country                 | :NA        | AVENUE, ASHOK NAGAR, CHENNAI 600 083 Tamil Nadu |
| (86) International Application No             | :NA        | India                                           |
| Filing Date                                   | :NA        | (72) <b>Name of Inventor :</b>                  |
| (87) International Publication No             | : NA       | <b>1)VALAGAM RAJAGOPAL RAGHUNATHAN</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 a vertical axis wind turbine with trunnion driven generator assembly and actuating means for generating electricity by maintaining a relative speed/traction co-efficient between a main driving means and rolling means, and eliminating slip, the said wind turbine comprises of at least one main driving means(2), a rotor assembly (3), a tower assembly (5), plurality of actuating means(6), plurality of supporting means(8), plurality of generators(4) with rolling means (1). Each said actuating means (6) configured to enable corresponding contact pressure between the said main driving means and rolling means (1) with respect to turbine speed for maintaining relative speed, eliminating slip and optimum power transmission thereby achieving optimum electricity generation.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4152/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF DULOXETINE HYDROCHLORIDE

|                                               |             |                                                    |
|-----------------------------------------------|-------------|----------------------------------------------------|
| (51) International classification             | :C07D333/00 | (71)Name of Applicant :                            |
| (31) Priority Document No                     | :NA         | <b>1)AUROBINDO PHARMA LTD</b>                      |
| (32) Priority Date                            | :NA         | Address of Applicant :PLOT NO. 2, MAITRIVIHAR,     |
| (33) Name of priority country                 | :NA         | AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India |
| (86) International Application No             | :NA         | (72)Name of Inventor :                             |
| Filing Date                                   | :NA         | <b>1)VIJAY KUMAR HANDA</b>                         |
| (87) International Publication No             | : NA        | <b>2)BUDIDET SHANKAR REDDY</b>                     |
| (61) Patent of Addition to Application Number | :NA         | <b>3)SANAPUREDDY JAGAN MOHAN REDDY</b>             |
| Filing Date                                   | :NA         | <b>4)SRINIVASACHARY KATUROJU</b>                   |
| (62) Divisional to Application Number         | :NA         | <b>5)MEENAKSHISUNDERAM SIVAKUMARAN</b>             |
| Filing Date                                   | :NA         |                                                    |

(57) Abstract :

The present invention provides a process for the preparation of Duloxetine (I), which comprises: condensing (1S)-3-(methylamino)-1-(thiophene-2-yl)propan-1-ol (V), with 1-fluoronaphthalene in presence of a base, a solvent and a catalyst to produce Duloxetine (I); optionally, Duloxetine (I) is converted to Duloxetine hydrochloride (Ia).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4728/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROGRESSIVE DISTRIBUTOR BASE BODY AND METHOD FOR CONVEYING LUBRICANT

|                                               |                 |
|-----------------------------------------------|-----------------|
| (51) International classification             | :F16N25/00      |
| (31) Priority Document No                     | :102011086179.3 |
| (32) Priority Date                            | :11/11/2011     |
| (33) Name of priority country                 | :Germany        |
| (86) International Application No             | :NA             |
| Filing Date                                   | :NA             |
| (87) International Publication No             | : NA            |
| (61) Patent of Addition to Application Number | :NA             |
| Filing Date                                   | :NA             |
| (62) Divisional to Application Number         | :NA             |
| Filing Date                                   | :NA             |

(71)**Name of Applicant :**

**1)LINCOLN GMBH**

Address of Applicant :HEINRICH HERTZ STRABE 2-8,  
WALLDORF Germany

(72)**Name of Inventor :**

**1)RAINER SCHMITT**

(57) Abstract :

The invention emanates from a progressive distributor base body having a first lubricant inlet channel (12). It is proposed that the progressive distributor base body includes at least one second lubricant inlet channel (14).

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4966/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : ARROW JET PICKING MOTION CONVERSION MODULE FOR SHUTTLE POWER LOOMS

|                                               |       |                                                      |
|-----------------------------------------------|-------|------------------------------------------------------|
| (51) International classification             | :d03d | (71)Name of Applicant :                              |
| (31) Priority Document No                     | :NA   | <b>1)V. MAHESH</b>                                   |
| (32) Priority Date                            | :NA   | Address of Applicant :NO. 1/186, UPPUTHOTTAM, K.S.N. |
| (33) Name of priority country                 | :NA   | PURAM, (PO), PALLADAM, TIRUPUR - 641 662 Tamil Nadu  |
| (86) International Application No             | :NA   | India                                                |
| Filing Date                                   | :NA   | (72)Name of Inventor :                               |
| (87) International Publication No             | : NA  | <b>1)V. MAHESH</b>                                   |
| (61) Patent of Addition to Application Number | :NA   |                                                      |
| Filing Date                                   | :NA   |                                                      |
| (62) Divisional to Application Number         | :NA   |                                                      |
| Filing Date                                   | :NA   |                                                      |

(57) Abstract :

Arrow jet picking motion conversion module using feeder and receiver gripper being mounted on reliable belts, there is provided a synchronized end to middle, smooth movement of grippers through a single synchronizing shaft and two bevel gear boxes being mounted on both ends of the shaft. The shaft is being fitted with a synch gear that gets an oscillating motion by engaging with a driver curved gear being fitted on top of vertical bracket fitted to the sley sword through a cam follower of an eccentric cam being fitted in an auxiliary shaft, connected to the bottom shaft of the loom through a driver bottom shaft gear.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4921/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SPLIT-KEY KEYBOARD LAYOUT FOR A HANDHELD MOBILE COMMUNICATION DEVICE

|                                               |           |                                                  |
|-----------------------------------------------|-----------|--------------------------------------------------|
| (51) International classification             | :G06F3/00 | (71) <b>Name of Applicant :</b>                  |
| (31) Priority Document No                     | :NA       | <b>1)NEELIMA. K</b>                              |
| (32) Priority Date                            | :NA       | Address of Applicant :NO.24/17, THANDAVARAYAN    |
| (33) Name of priority country                 | :NA       | STREET, ROYAPETTAH, CHENNAI - 600 014 Tamil Nadu |
| (86) International Application No             | :NA       | India                                            |
| Filing Date                                   | :NA       | (72) <b>Name of Inventor :</b>                   |
| (87) International Publication No             | : NA      | <b>1)NEELIMA. K</b>                              |
| (61) Patent of Addition to Application Number | :NA       |                                                  |
| Filing Date                                   | :NA       |                                                  |
| (62) Divisional to Application Number         | :NA       |                                                  |
| Filing Date                                   | :NA       |                                                  |

(57) Abstract :

A handheld mobile communication device wherein the keys split between left and right-hand keyfield mounting the electronic display between the keyfields.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.4405/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : THE ATHEROTOME (VASCULAR CUTTING DEVICE)

|                                               |            |                                                       |
|-----------------------------------------------|------------|-------------------------------------------------------|
| (51) International classification             | :A61M25/00 | (71) <b>Name of Applicant :</b>                       |
| (31) Priority Document No                     | :NA        | <b>1)ANAND GNANARAJ</b>                               |
| (32) Priority Date                            | :NA        | Address of Applicant :A 1/2, AISWARYAM PHASE - 1, 4TH |
| (33) Name of priority country                 | :NA        | MAIN ROAD, NOLUMBUR, CHENNAI - 600 095 Tamil Nadu     |
| (86) International Application No             | :NA        | India                                                 |
| Filing Date                                   | :NA        | (72) <b>Name of Inventor :</b>                        |
| (87) International Publication No             | : NA       | <b>1)ANAND GNANARAJ</b>                               |
| (61) Patent of Addition to Application Number | :NA        |                                                       |
| Filing Date                                   | :NA        |                                                       |
| (62) Divisional to Application Number         | :NA        |                                                       |
| Filing Date                                   | :NA        |                                                       |

(57) Abstract :

A catheter atherotome for use in interventional cardiology in an artery having a distal end and a proximal end, a. a plurality of blades mounted at the distal end of the catheter in a winged configuration and spaced angularly apart from one another about a main longitudinal shaft with a central longitudinal core disposed within the said shaft, with associated struts connecting one end of each blade to the shaft and the other end to the core in such a way that longitudinal movement of the central core along the shaft in first direction selectively pulls out blades radially outwardly around the shaft into a cutting position and selectively pushes the blades radially inwardly flat into alongwith the main shaft during the longitudinal movement of the core along the shaft in second direction, which second direction is opposite to first direction.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4407/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : THE PERFUSION AND FILTER BALLOON

|                                               |            |                                                    |
|-----------------------------------------------|------------|----------------------------------------------------|
| (51) International classification             | :A61M25/00 | (71) <b>Name of Applicant :</b>                    |
| (31) Priority Document No                     | :NA        | <b>1)ANAND GNANARAJ</b>                            |
| (32) Priority Date                            | :NA        | Address of Applicant :A 1/2, AISHWARYAM PHASE - 1, |
| (33) Name of priority country                 | :NA        | 4TH MAIN ROAD, NOLUMBUR, CHENNAI - 600 095 Tamil   |
| (86) International Application No             | :NA        | Nadu India                                         |
| Filing Date                                   | :NA        | (72) <b>Name of Inventor :</b>                     |
| (87) International Publication No             | : NA       | <b>1)ANAND GNANARAJ</b>                            |
| (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 an inflatable perfusion and/or a filter balloon which is useful in a setting where prolonged balloon inflation is needed. The invention produces an inflatable balloons and which can open ports within its own body. The filter and perfusion balloon is designed with lumen in then the body of the balloon. A variation in the membrane structure has two filter membranes.

No. of Pages : 35 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4750/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :14/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : RESILIENT POWER SYSTEM WITH COLLABORATIVE ARCHITECTURE

|                                               |       |                                                  |
|-----------------------------------------------|-------|--------------------------------------------------|
| (51) International classification             | :H04L | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA   | <b>1)GENERAL ELECTRIC COMPANY</b>                |
| (32) Priority Date                            | :NA   | Address of Applicant :1 RIVER ROAD, SCHENECTADY, |
| (33) Name of priority country                 | :NA   | NEW YORK 12345 U.S.A.                            |
| (86) International Application No             | :NA   | (72)Name of Inventor :                           |
| Filing Date                                   | :NA   | <b>1)ANDRA, VENKATESWARLU</b>                    |
| (87) International Publication No             | : NA  | <b>2)KELAPURE, SHEKHAR MADHUKARRAO</b>           |
| (61) Patent of Addition to Application Number | :NA   |                                                  |
| Filing Date                                   | :NA   |                                                  |
| (62) Divisional to Application Number         | :NA   |                                                  |
| Filing Date                                   | :NA   |                                                  |

(57) Abstract :

A method includes receiving a first power grid data and a second power grid data, having a first state estimate and a second state estimate respectively. The method includes determining a third state estimate, generating a first modified power grid data, determining a fourth state estimate, and generating a second modified power grid data sequentially. The method further includes comparing the first state estimate and the second state estimate to predefined ranges of the third state estimate and the fourth state estimate respectively for convergence and substituting the first power grid data and the second power grid data with the first modified power grid data and the second modified power grid data if at least one of the estimates is not converged. The method includes iteratively performing all the steps discussed herein till the state estimates are converged to obtain the third state estimate as a converged state estimate.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4692/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : TEST SYSTEM

|                                               |              |                                                |
|-----------------------------------------------|--------------|------------------------------------------------|
| (51) International classification             | :G01C21/00   | (71)Name of Applicant :                        |
| (31) Priority Document No                     | :2011-246282 | <b>1)HORIBA, LTD.</b>                          |
| (32) Priority Date                            | :10/11/2011  | Address of Applicant :2, MIYANOHIGASHI-CHO,    |
| (33) Name of priority country                 | :Japan       | KISSHOIN, MINAMI-KU, KYOTO-SHI, KYOTO 601-8510 |
| (86) International Application No             | :NA          | Japan                                          |
| Filing Date                                   | :NA          | (72)Name of Inventor :                         |
| (87) International Publication No             | : NA         | <b>1)WATANABE, KOJI</b>                        |
| (61) Patent of Addition to Application Number | :NA          | <b>2)NAKAMURA, HIROSHI</b>                     |
| Filing Date                                   | :NA          | <b>3)OKADA, KAORU</b>                          |
| (62) Divisional to Application Number         | :NA          | <b>4)HAYATA, MASAYUKI</b>                      |
| Filing Date                                   | :NA          | <b>5)YAMAZAKI, TORU</b>                        |

(57) Abstract :

According to the present invention, a test system 1 that tests a mobile body such as a vehicle, a vessel, and a plane, or an instrument used in the mobile body as an object, and is operable by switching among different operational modes, can accumulate an operating period of a component much more accurately than conventional system, and includes an accumulated operating-time calculating unit 46 for accumulating the operating time of the component, and the accumulated operating-time calculating unit 46 accumulates the operating time of the component only in the predetermined operational mode.

No. of Pages : 43 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4936/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : RELATIONAL CONTENT DELIVERY AND SURFING SYSTEM AND METHOD

|                                               |       |                                              |
|-----------------------------------------------|-------|----------------------------------------------|
| (51) International classification             | :G06F | (71)Name of Applicant :                      |
| (31) Priority Document No                     | :NA   | <b>1)MR. JOHN MATHEW</b>                     |
| (32) Priority Date                            | :NA   | Address of Applicant :MADATHUMKUDY HOUSE,    |
| (33) Name of priority country                 | :NA   | THENKULAM ROAD, MEKKAD P.O, ANGAMALI 683 589 |
| (86) International Application No             | :NA   | Kerala India                                 |
| Filing Date                                   | :NA   | <b>2)MR. M. NEERAJ</b>                       |
| (87) International Publication No             | : NA  | (72)Name of Inventor :                       |
| (61) Patent of Addition to Application Number | :NA   | <b>1)MR. JOHN MATHEW</b>                     |
| Filing Date                                   | :NA   | <b>2)MR. M. NEERAJ</b>                       |
| (62) Divisional to Application Number         | :NA   |                                              |
| Filing Date                                   | :NA   |                                              |

(57) Abstract :

A relational content delivery and surfing system and method for providing personalised contents to a user/client based on the user preferences on a heterogeneous network environment. A relational content delivery and surfing system (RCDS) for providing relational content with respect to the user/client within the heterogeneous network environment. A relational knowledge base (RKB) associated with the relational content delivery and surfing system for storing and providing relational intelligence (RI) data with respect to the user/client. A relational uniform resource locator based data mining system (RUDM) extracts and feeds the relational information available over a red network (RN) into the relational knowledge base of the relational content delivery and surfing system. Such an intelligent relational content delivery system and method provides relational intelligent content delivery to the users/clients based on the user preferences learnt on-the-fly and/or based on the content preference history, choices and a set of appropriate rules.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4937/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : MECHANICAL INSTRUMENT FOR MEASURE THE MASS AND ACCELERATION

|                                               |       |                                               |
|-----------------------------------------------|-------|-----------------------------------------------|
| (51) International classification             | :g01b | (71) <b>Name of Applicant :</b>               |
| (31) Priority Document No                     | :NA   | <b>1)MOHAN DEVARAJ</b>                        |
| (32) Priority Date                            | :NA   | Address of Applicant :NO.5, MOOLATHAMMAN KOIL |
| (33) Name of priority country                 | :NA   | STREET, TAKKOLAM POST, ARAKONAM TALUK,        |
| (86) International Application No             | :NA   | VELLORE DIST, PIN 631 151 Tamil Nadu India    |
| Filing Date                                   | :NA   | (72) <b>Name of Inventor :</b>                |
| (87) International Publication No             | : NA  | <b>1)MOHAN DEVARAJ</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 a mechanical instrument is comprises wooden bob attached at the end of inextensible flexible string and other end attached at rigid fixed centre point of weigh load cell as well as vertical metallic protractor hence the vertical metallic protractor is mounted with the top of vertical post and the bottom of post is fixed at the liquid tank. The said liquid tank is comprises the liquid overflow collecting arrangement to collect the liquid during the overflow of liquid. The data collected as per the present invention and it is substituting the variable to measure the mass and acceleration of objects under the theory of universal relativity.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4172/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SYSTEM AND METHOD FOR EDUCATIONAL CONTENT DELIVERY AND INTEGRATED EDUCATION MANAGEMENT SYSTEM

|                                               |           |                                                      |
|-----------------------------------------------|-----------|------------------------------------------------------|
| (51) International classification             | :G09B5/00 | (71)Name of Applicant :                              |
| (31) Priority Document No                     | :NA       | <b>1)RAJENDRA KUMAR KHARE</b>                        |
| (32) Priority Date                            | :NA       | Address of Applicant :1295, 1ST CROSS, 1ST MAIN, NEW |
| (33) Name of priority country                 | :NA       | THIPPASANDRA, HAL-3RD STAGE, INDIRANAGAR,            |
| (86) International Application No             | :NA       | BANGALORE - 560 075 Karnataka India                  |
| Filing Date                                   | :NA       | (72)Name of Inventor :                               |
| (87) International Publication No             | : NA      | <b>1)RAJENDRA KUMAR KHARE</b>                        |
| (61) Patent of Addition to Application Number | :NA       |                                                      |
| Filing Date                                   | :NA       |                                                      |
| (62) Divisional to Application Number         | :NA       |                                                      |
| Filing Date                                   | :NA       |                                                      |

(57) Abstract :

The various embodiments of the present invention provide a method and system for delivering the educational services to multiple online schools simultaneously using a cloud platform. The system comprises a display device for displaying an educational content, a cloud server for education content management, a remote controller for controlling the display device and a computing device remotely connected to the cloud server for monitoring and controlling education content by the concerned authority. The display device comprises a display screen for displaying education content, an intelligence system for educational content management and display, a storage module for storing educational content to be displayed, a video recorder for recording video of the classroom, a network connection module for connecting the display device to a cloud server network and an ON/OFF switch for automatically switching ON and OFF of the display device.

No. of Pages : 32 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4294/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : WET GRANULATED COMPOSITIONS FOR DOCUSATE SODIUM

|                                               |           |                                                     |
|-----------------------------------------------|-----------|-----------------------------------------------------|
| (51) International classification             | :A61K9/00 | (71) <b>Name of Applicant :</b>                     |
| (31) Priority Document No                     | :NA       | <b>1)MYLAN LABORATORIES LIMITED</b>                 |
| (32) Priority Date                            | :NA       | Address of Applicant :PLOT NO 564/A/22, ROAD NO 92, |
| (33) Name of priority country                 | :NA       | JUBILEE HILLS, HYDERABAD - 500 034 Andhra Pradesh   |
| (86) International Application No             | :NA       | India                                               |
| Filing Date                                   | :NA       | (72) <b>Name of Inventor :</b>                      |
| (87) International Publication No             | : NA      | <b>1)GAHOI, SACHIN</b>                              |
| (61) Patent of Addition to Application Number | :NA       | <b>2)MAMIDI, ANANDKUMAR</b>                         |
| Filing Date                                   | :NA       | <b>3)RAJASHEKARA, CHETAN MURTHY</b>                 |
| (62) Divisional to Application Number         | :NA       | <b>4)CHAKRABORTTY, SANTANU</b>                      |
| Filing Date                                   | :NA       | <b>5)DESHMUKH, ABHIJIT MUKUND</b>                   |

(57) Abstract :

A wet granulated, tablet composition comprising docusate sodium, optionally in combination with sennosides and atleast one pharmaceutically acceptable excipient(s), wherein said tablet composition is essentially prepared by employing non-aqueous granulating fluids

No. of Pages : 16 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.4896/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD FOR PREPARATION OF PHARMACEUTICALLY ACCEPTABLE ISOMERS OF TRICYCLIC ANTIDEPRESSANTS AND SALTS THEREOF

|                                               |       |                                                     |
|-----------------------------------------------|-------|-----------------------------------------------------|
| (51) International classification             | :C07D | (71)Name of Applicant :                             |
| (31) Priority Document No                     | :NA   | <b>1)RAY CHEMICALS PRIVATE LIMITED</b>              |
| (32) Priority Date                            | :NA   | Address of Applicant :RAY HOUSE, HIG, NO 2000, NEXT |
| (33) Name of priority country                 | :NA   | TO YELAHANKA NEW TOWN POLICE STATION,               |
| (86) International Application No             | :NA   | YELAHANKA, BANGALORE - 560 064 Karnataka India      |
| Filing Date                                   | :NA   | (72)Name of Inventor :                              |
| (87) International Publication No             | : NA  | <b>1)RAMAKRISHNA, ANDAGAR RAMESHA</b>               |
| (61) Patent of Addition to Application Number | :NA   | <b>2)HOLLA, DELAMPADY CHANDRASHEKAR</b>             |
| Filing Date                                   | :NA   | <b>3)ROY, ANJAN KUMAR</b>                           |
| (62) Divisional to Application Number         | :NA   |                                                     |
| Filing Date                                   | :NA   |                                                     |

(57) Abstract :

The present disclosure is in relation to the preparation of tricyclic antidepressants Doxepin/Dothiepin and salt thereof. The method helps in achieving the pharmaceutically acceptable ratio of the isomers of said compounds. The disclosed method involves cost effective reagents, mild conditions and few steps to beget said compounds economically.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4163/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR REDUCING A TIME PERIOD TO COLLECT DATA FROM NODES OF A WIRELESS MESH COMMUNICATIONS NETWORK

|                                               |             |                                                |
|-----------------------------------------------|-------------|------------------------------------------------|
| (51) International classification             | :H04W40/00  | (71)Name of Applicant :                        |
| (31) Priority Document No                     | :11185261.2 | <b>1)MITSUBISHI ELECTRIC CORPORATION</b>       |
| (32) Priority Date                            | :14/10/2011 | Address of Applicant :7-3, MARUNOUCHI 2-CHOME, |
| (33) Name of priority country                 | :EPO        | CHIYODA-KU, TOKYO 100-8310 Japan               |
| (86) International Application No             | :NA         | (72)Name of Inventor :                         |
| Filing Date                                   | :NA         | <b>1)GRESSET, NICOLAS</b>                      |
| (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 method for reducing a time period needed by a data gathering device to collect data from nodes of a wireless mesh communications network, communications between the data gathering device and the nodes being performed according to routes of a spanning tree, is such that the data gathering device: obtains a metric for each route, the metric being representative of a level of reliability of the route; determining a first scheduling sequence for collecting said data according to the obtained metrics; transmitting requests to said nodes according to the first scheduling sequence; updating at least one of said metrics according to variations in transmission conditions; modifying the first scheduling sequence to obtain a second scheduling sequence according to the metrics after updating; and continuing transmitting requests to the nodes according to the second scheduling sequence.

No. of Pages : 43 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4870/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SYNTHESIS OF BETA GLYCEROPHOSPHATE DISODIUM SALT

(51) International classification

:C07F9/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)AVRA LABORATORIES PVT. LTD.**

Address of Applicant :AVRA HOUSE, 7-102/54, SAI  
ENCLAVE, HABSHIGUDA, HYDERABAD - 500 007 Andhra  
Pradesh India

(72)Name of Inventor :

**1)RAMARAO, CHANDRASHEKAR**

**2)NANDIPATI, RAMADEVI**

**3)RAO, MADHARAM SUDERSHAN**

**4)KAMARAJU, VENKATA PURNIMA**

**5)KUMBHAM, MAHESH**

**6)RAO, RAMAKRISHNA**

(57) Abstract :

Disclosed herein is an efficient method for synthesis of beta glycerophosphate disodium salt in high purity and yield, without the need for tedious purification at any step, involving the recovery and reuse of tiglic acid a key reagent/ raw material.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4841/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SINGLE SCREW COMPRESSOR WITH HIGH OUTPUT

|                                               |             |                                               |
|-----------------------------------------------|-------------|-----------------------------------------------|
| (51) International classification             | :F04C18/00  | (71) <b>Name of Applicant :</b>               |
| (31) Priority Document No                     | :61/562,721 | <b>1)VILTER MANUFACTURING LLC</b>             |
| (32) Priority Date                            | :22/11/2011 | Address of Applicant :5555 S. PACKARD AVENUE, |
| (33) Name of priority country                 | :U.S.A.     | CUDAHY, WI 53110 U.S.A.                       |
| (86) International Application No             | :NA         | (72) <b>Name of Inventor :</b>                |
| Filing Date                                   | :NA         | <b>1)PICOUE, JEAN-LOUIS</b>                   |
| (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 :

In one aspect, a single screw compressor is disclosed. The compressor, in at least some embodiments, includes: a housing including a cylindrical bore; a pair of gate rotors mounted for rotation in the housing, each gate rotor having a plurality of gear teeth; and a main rotor rotatably mounted in the bore and having a plurality of grooves, a plurality of lands, an additional groove, and an additional land; wherein the plurality of lands of the main rotor comprises a first wrap angle and the additional land comprises a second wrap angle, and the second wrap angle is distinct and different from the first wrap angle. In other aspects, a method of assembling a gate rotor in relation to a main rotor that is positioned within a single screw gas compressor configured for high output, and a main rotor device for use with a single screw compressor configured for high output are also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4845/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : APPARATUS, MOLD AND METHOD FOR PRODUCING SHAPED ARTICLES FROM A UV-CURABLE COMPOSITION

|                                               |             |                                                    |
|-----------------------------------------------|-------------|----------------------------------------------------|
| (51) International classification             | :B29C33/00  | (71)Name of Applicant :                            |
| (31) Priority Document No                     | :11190600.4 | <b>1)ABB RESEARCH LTD.</b>                         |
| (32) Priority Date                            | :24/11/2011 | Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050 |
| (33) Name of priority country                 | :EPO        | ZURICH Switzerland                                 |
| (86) International Application No             | :NA         | (72)Name of Inventor :                             |
| Filing Date                                   | :NA         | <b>1)SCHNEIDER, MARCO</b>                          |
| (87) International Publication No             | : NA        | <b>2)MEIER, PATRICK</b>                            |
| (61) Patent of Addition to Application Number | :NA         | <b>3)KORNMANN, XAVIER</b>                          |
| Filing Date                                   | :NA         |                                                    |
| (62) Divisional to Application Number         | :NA         |                                                    |
| Filing Date                                   | :NA         |                                                    |

(57) Abstract :

A mold for molding a UV cured article in an inner volume thereof, the mold comprising a mold wall surrounding the inner volume, the mold comprising a UV-transparent polymer and UV radiation deflecting particles immersed in or adhered to a surface of the mold wall.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4975/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SURGICAL DRAPE WITH CALIBRATED POUCH FOR COLLECTING AND MEASURING FLUID

|                                               |            |                                                   |
|-----------------------------------------------|------------|---------------------------------------------------|
| (51) International classification             | :A61B19/00 | (71)Name of Applicant :                           |
| (31) Priority Document No                     | :NA        | <b>1)C. USHA DEVI</b>                             |
| (32) Priority Date                            | :NA        | Address of Applicant :PLOT NO 4, THAI MOOGAMBIGAI |
| (33) Name of priority country                 | :NA        | NAGAR, K.PUDUR, MADURAI 625 007 Tamil Nadu India  |
| (86) International Application No             | :NA        | (72)Name of Inventor :                            |
| Filing Date                                   | :NA        | <b>1)B. RAVI</b>                                  |
| (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 surgical drape with a drape component and a calibrated fluid collection pouch component for collecting and measuring fluid during post-partum hemorrhage. The drape component has a main sheet portion and may have a fenestration for providing access to the posterior side of the abdomen on a patient and which would be opened to collect fluid. The fluid collection pouch comprises a front panel and a rear panel joined along common side edges. The rear panel is attached to the drape in proximity to the fenestration and holds the pouch in place on the drape. A calibrated tape with markings is attached to flattered apex of the front panel of the pouch with adhesives to measure volume of fluid.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4993/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING SECURE END-TO-END AUTHENTICATION AND AUTHORIZATION OF ELECTRONIC TRANSACTIONS

|                                               |           |                                                  |
|-----------------------------------------------|-----------|--------------------------------------------------|
| (51) International classification             | :H04L9/00 | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA       | <b>1)COGNIZANT TECHNOLOGY SOLUTIONS INDIA</b>    |
| (32) Priority Date                            | :NA       | <b>PVT. LTD.</b>                                 |
| (33) Name of priority country                 | :NA       | Address of Applicant :TECHNO COMPLEX, NO. 5/535, |
| (86) International Application No             | :NA       | OLD MAHABALIPURAM ROAD, OKKIYAM                  |
| Filing Date                                   | :NA       | THORAIPAKKAM, CHENNAI - 600 097 Tamil Nadu India |
| (87) International Publication No             | : NA      | (72)Name of Inventor :                           |
| (61) Patent of Addition to Application Number | :NA       | <b>1)FRANK LEEVENDIG</b>                         |
| Filing Date                                   | :NA       | <b>2)SHISHIR KAPOOR</b>                          |
| (62) Divisional to Application Number         | :NA       | <b>3)VIGNESHWARAN ANGAMUTHU</b>                  |
| Filing Date                                   | :NA       |                                                  |

(57) Abstract :

A method and system for performing secure end-to-end authentication of an electronic transaction initiated by a user using a user device is provided. At least one secret element comprising payload data encrypted using at least two cryptographic keys is generated and transmitted to the user device. An image of the at least one secret element is captured and analyzed by an authentication device. The image is analyzed to extract the payload data by decrypting the payload data using at least two cryptographic keys. Geo-location of the user device and the authentication device is determined if the extracted payload data is associated with a unique URL including a string. Based on the determination, a secure page displayed on the authentication is accessed using the unique URL. Finally, the transaction is processed after verification of the transaction details on the secure page and the transaction is confirmed.

No. of Pages : 53 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4859/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SEED DISPENSER ATTACHED WITH A WEEDICIDE SPRAYER REQUIRES ZERO TILLAGE

|                                               |            |                                                 |
|-----------------------------------------------|------------|-------------------------------------------------|
| (51) International classification             | :A01B49/00 | (71) <b>Name of Applicant :</b>                 |
| (31) Priority Document No                     | :NA        | <b>1)TONDAPI GURAVIAH</b>                       |
| (32) Priority Date                            | :NA        | Address of Applicant :H.NO. S C 89, RUPENAGUNTA |
| (33) Name of priority country                 | :NA        | (VILLAGE), NAKREKAL MANDAL, GUNTUR DISTRICT     |
| (86) International Application No             | :NA        | Andhra Pradesh India                            |
| Filing Date                                   | :NA        | <b>2)TONDAPI LAKSHMI NARASAMMA</b>              |
| (87) International Publication No             | : NA       | (72) <b>Name of Inventor :</b>                  |
| (61) Patent of Addition to Application Number | :NA        | <b>1)TONDAPI GURAVIAH</b>                       |
| Filing Date                                   | :NA        | <b>2)TONDAPI LAKSHMI NARASAMMA</b>              |
| (62) Divisional to Application Number         | :NA        |                                                 |
| Filing Date                                   | :NA        |                                                 |

(57) Abstract :

The present invention relates to a seed dispenser especially for sowing maize seed in the crop field with a zero tillage seed drill, preferably in the harvested paddy field within one week just after cropping the paddy, which is more economical and efficient in terms of performance. Further the present invention is capable to provide weedicide sprayer with this seed dispensing mechanism at the same time to save time and labour cost of the farmer community.

No. of Pages : 15 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.4987/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR THE PREPARATION OF ALCAFTADINE

|                                               |       |                                                    |
|-----------------------------------------------|-------|----------------------------------------------------|
| (51) International classification             | :C07D | (71)Name of Applicant :                            |
| (31) Priority Document No                     | :NA   | <b>1)M/S. NEULAND LABORATORIES LTD</b>             |
| (32) Priority Date                            | :NA   | Address of Applicant :SANALI INFO PARK, 'A' BLOCK, |
| (33) Name of priority country                 | :NA   | GROUND FLOOR, 8-2-120/113, RD NO 2, BANJARA HILLS, |
| (86) International Application No             | :NA   | HYDERABAD - 34 Andhra Pradesh India                |
| Filing Date                                   | :NA   | (72)Name of Inventor :                             |
| (87) International Publication No             | : NA  | <b>1)PONNAIAH RAVI</b>                             |
| (61) Patent of Addition to Application Number | :NA   | <b>2)HASHMI ARSHAD MOOSA</b>                       |
| Filing Date                                   | :NA   | <b>3)NEELA PRAVEEN KUMAR</b>                       |
| (62) Divisional to Application Number         | :NA   | <b>4)DHANUNJAYA NAIDU SEEMALA</b>                  |
| Filing Date                                   | :NA   | <b>5)MOKKA RAVITEJA</b>                            |

(57) Abstract :

An improved process for preparation of Alcaftadine, its crystalline form or its pharmaceutically acceptable salts is disclosed alongwith a process for purification of Alcaftadine or its pharmaceutically acceptable salts.

No. of Pages : 40 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4925/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SYSTEM AND METHOD OF MAPPING MULTIPLE REFERENCE FRAME MOTION ESTIMATION ON MULTI-CORE DSP ARCHITECTURE

|                                               |           |                                                     |
|-----------------------------------------------|-----------|-----------------------------------------------------|
| (51) International classification             | :H04N7/00 | (71)Name of Applicant :                             |
| (31) Priority Document No                     | :NA       | <b>1)SQUID DESIGN SYSTEMS PVT LTD</b>               |
| (32) Priority Date                            | :NA       | Address of Applicant :404, PNR-SSV COMPLEX, DR. A S |
| (33) Name of priority country                 | :NA       | RAO NAGAR, HYDERABAD - 500 062 Andhra Pradesh India |
| (86) International Application No             | :NA       | (72)Name of Inventor :                              |
| Filing Date                                   | :NA       | <b>1)P V SURESH BABU</b>                            |
| (87) International Publication No             | : NA      | <b>2)SATYANARAYANA UPPALAPATI</b>                   |
| (61) Patent of Addition to Application Number | :NA       | <b>3)VABBALAREDDY GOVINDA SIVA PRASAD</b>           |
| Filing Date                                   | :NA       | <b>4)KISHOR SIMMA</b>                               |
| (62) Divisional to Application Number         | :NA       |                                                     |
| Filing Date                                   | :NA       |                                                     |

(57) Abstract :

System and method of mapping multiple reference frame motion estimation on a multi core digital signal processor is disclosed. The method includes considering at least one motion vector of a plurality of neighbouring macro blocks present in a current frame and a co-located frame to find a best prediction point motion vector set, collecting a best data block among a plurality of data blocks from a plurality of reference frames according to a plurality of sets of motion vectors at a first pipeline stage, transmitting a data searched related to the plurality of sets of motion vectors from the second level of memory to a first level of memory of a second digital signal processor at a second pipeline stage and finding a best motion vector by utilizing a cost based search on the second digital signal processor is performed at third pipeline stage.

No. of Pages : 41 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4926/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SYSTEM AND METHOD OF PERFORMING MOTION ESTIMATION IN MULTIPLE REFERENCE FRAME

|                                               |       |                                                     |
|-----------------------------------------------|-------|-----------------------------------------------------|
| (51) International classification             | :H04N | (71)Name of Applicant :                             |
| (31) Priority Document No                     | :NA   | <b>1)SQUID DESIGN SYSTEMS PVT LTD</b>               |
| (32) Priority Date                            | :NA   | Address of Applicant :404, PNR-SSV COMPLEX, DR. A S |
| (33) Name of priority country                 | :NA   | RAO NAGAR, HYDERABAD 500 062 Andhra Pradesh India   |
| (86) International Application No             | :NA   | (72)Name of Inventor :                              |
| Filing Date                                   | :NA   | <b>1)P V SURESH BABU</b>                            |
| (87) International Publication No             | : NA  | <b>2)SATYANARAYANA UPPALAPATI</b>                   |
| (61) Patent of Addition to Application Number | :NA   | <b>3)VABBALAREDDY GOVINDA SIVA PRASAD</b>           |
| Filing Date                                   | :NA   | <b>4)KISHOR SIMMA</b>                               |
| (62) Divisional to Application Number         | :NA   |                                                     |
| Filing Date                                   | :NA   |                                                     |

(57) Abstract :

Methods for performing motion estimation in multiple reference frames scenario are disclosed. The method includes considering a motion vector of a plurality of neighbouring macro blocks present in a current frame and a co-located frame to find a best prediction point motion vector set, scaling at least one motion vector in a plurality of prediction frames and a plurality of bidirectional frames to find a predictive motion vector set by calculating a temporal distance between a nth reference frame and a reference frame referred by an input motion vector and finding at least one best prediction point motion vector of the nth reference frame from a set of motion vectors by utilizing a cost based motion search. The cost based motion search comprising finding a prediction motion vector, finding a cost factor, performing a cost based motion search of at least one partition level to find the best motion vector from the set of motion vectors.

No. of Pages : 31 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4865/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : HIGH PURITY GENTIOOLIGOSACCHARIDES OBTAINED THEREFROM AND USES THEREOF

|                                               |                    |                                                                                        |
|-----------------------------------------------|--------------------|----------------------------------------------------------------------------------------|
| (51) International classification             | :A23G1/00          | (71) <b>Name of Applicant :</b>                                                        |
| (31) Priority Document No                     | :10-2011-012445    | <b>1)CORN PRODUCTS DEVELOPMENT, INC.</b>                                               |
| (32) Priority Date                            | :25/11/2011        | Address of Applicant :5 WESTBROOK CORPORATE CENTER, WESTCHESTER, ILLINOIS 60154 U.S.A. |
| (33) Name of priority country                 | :Republic of Korea | (72) <b>Name of Inventor :</b>                                                         |
| (86) International Application No             | :NA                | <b>1)JAE HO LEE, HANA</b>                                                              |
| Filing Date                                   | :NA                | <b>2)SANG WOOK AHN</b>                                                                 |
| (87) International Publication No             | : NA               | <b>3)SANG JAE PARK</b>                                                                 |
| (61) Patent of Addition to Application Number | :NA                | <b>4)KYOUNG HEE KIM</b>                                                                |
| Filing Date                                   | :NA                |                                                                                        |
| (62) Divisional to Application Number         | :NA                |                                                                                        |
| Filing Date                                   | :NA                |                                                                                        |

(57) Abstract :

The present invention relates to methods for preparing high purity gentiooligosaccharides, high purity gentiooligosaccharides obtained therefrom, and uses thereof. The methods of the present invention involve: adding a low purity gentiooligosaccharide to a liquid medium; subjecting the liquid medium to inoculation with a microorganism, followed by incubation and fermentation to consume glucose that is contained in the low purity gentiooligosaccharide; and subjecting the resulting fermentation broth to filtration and purification. According to the method of the present invention, high purity gentiooligosaccharides having a purity of at least 90% that can be used as alternatives to foods such as cocoa, chocolate, coffee, beer, tea, bread or confectionery product, and beverage or the main ingredients thereof.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2393/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/06/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD AND SYSTEM TO NOTIFY USER<sup>TM</sup>S ACTIVITY DURING AN ONGOING COMMUNICATION SESSION

|                                               |       |                                                         |
|-----------------------------------------------|-------|---------------------------------------------------------|
| (51) International classification             | :H04L | (71)Name of Applicant :                                 |
| (31) Priority Document No                     | :NA   | <b>1)Samsung India Software Operations Pvt Ltd</b>      |
| (32) Priority Date                            | :NA   | Address of Applicant :Bagmane Lakeview Block B No. 66/1 |
| (33) Name of priority country                 | :NA   | Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-  |
| (86) International Application No             | :NA   | 560093 Karnataka India                                  |
| Filing Date                                   | :NA   | (72)Name of Inventor :                                  |
| (87) International Publication No             | : NA  | <b>1)Basavaraj Jayawant Pattan</b>                      |
| (61) Patent of Addition to Application Number | :NA   | <b>2)Venkateswar Jeedigunta</b>                         |
| Filing Date                                   | :NA   | <b>3)KyungTak Lee</b>                                   |
| (62) Divisional to Application Number         | :NA   | <b>4)Gyubong Oh</b>                                     |
| Filing Date                                   | :NA   |                                                         |

(57) Abstract :

A method and system for notifying communicating user (s) during an ongoing communication session when a user's current activity interrupts the ongoing session is disclosed. The method sends information message which includes but not limited to a activity information and a control information to other user (s) in the session. The information message depicts the current activity of the user. The control information manages the ongoing communication session. Also, the method allows the user to configure the information message. Further, the method allows the user to receive the information message by means of subscription.

No. of Pages : 53 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/11/2012

(21) Application No.4654/CHE/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : A FORMULATION OF IN SITU GELLING DRUG DELIVERY SYSTEM FOR DIABETES

(51) International classification

:A61K9/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)KARNATAKA COLLEGE OF PHARMACY**

Address of Applicant :#33/2, THIRUMENAHALLI, HEGDE  
NAGAR MAIN ROAD, JAKKUR POST, YELAHANKA  
HOBLI, BANGALORE NORTH, BANGALORE - 64 Karnataka  
India

(72)Name of Inventor :

**1)RAMESH KAMA**

**2)RAO BOGGARAPU PRAKASH**

**3)RAJARAJAN SUBRAMANIAN**

**4)BABY BENY**

**5)KIRAN MATHKOORI**

(57) Abstract :

The present invention relates to formulation of in situ gelling drug delivery system for diabetes wherein formulation comprises of Metformin HC1, Pluronic F 127, HPMC E 50 and Sorbitol. Furthermore, the invention also relates to a method for sustainable release of drug and evaluation of in situ gel.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4713/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : DEVICE FOR AXIAL POSITIONING OF A ROD WITH RESPECT TO ITS DRIVE SHAFT, AND DOOR INTERLOCK DEVICE IN A CUBICLE COMPRISING ONE SUCH DEVICE

|                                               |             |                                                      |
|-----------------------------------------------|-------------|------------------------------------------------------|
| (51) International classification             | :F16L       | (71)Name of Applicant :                              |
| (31) Priority Document No                     | :11 03493   | <b>1)SCHNEIDER ELECTRIC INDUSTRIES SAS</b>           |
| (32) Priority Date                            | :17/11/2011 | Address of Applicant :35, RUE JOSEPH MONIER, F-92500 |
| (33) Name of priority country                 | :France     | RUEIL MALMAISON France                               |
| (86) International Application No             | :NA         | (72)Name of Inventor :                               |
| Filing Date                                   | :NA         | <b>1)TERPEND, SERGE</b>                              |
| (87) International Publication No             | : NA        | <b>2)MAQUET, PATRICK</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 a device for axial positioning of a rod (2) with respect to its drive shaft (1), said rod (2) comprising an opening, at one of its ends, via which said rod (2) is designed to be fitted around one end called first end of the shaft (1), this device being characterized in that it comprises an intermediate part (11) comprising a part called first part (11a) of substantially tubular shape designed to be fitted around the end called first end of the shaft and comprising means called first means for clip-fastening (12) on said shaft (1) designed to prevent axial movement of this first part (11a) of the part with respect to the shaft, and a second part (11b) comprising means called second means (14) designed to bear on a surface (2c) of the rod, after the first part (11a) of the part and then the rod (2) have been successively fitted around this first end of the shaft, followed by the rod (2) being made to press on a bearing surface (11e) of this first part (11a) of the intermediate part, so that said rod is axially secured between the above-mentioned bearing means (14) of the intermediate part (11) and the above-mentioned bearing surface (11e) of said part (11).

No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4948/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A SYSTEM AND METHOD FACILITATING VIRTUAL TO REAL WORLD SOCIAL NETWORKING

|                                               |            |
|-----------------------------------------------|------------|
| (51) International classification             | :G06F17/00 |
| (31) Priority Document No                     | :NA        |
| (32) Priority Date                            | :NA        |
| (33) Name of priority country                 | :NA        |
| (86) International Application No             | :NA        |
| Filing Date                                   | :NA        |
| (87) International Publication No             | : NA       |
| (61) Patent of Addition to Application Number | :NA        |
| Filing Date                                   | :NA        |
| (62) Divisional to Application Number         | :NA        |
| Filing Date                                   | :NA        |

(71)**Name of Applicant :**  
**1)CHANDRASHEKAR**  
Address of Applicant :#17 4th Main MSR City 8th Phase  
J.P. Nagar Bangalore - 560076 Karnataka India  
(72)**Name of Inventor :**  
**1)CHANDRASHEKAR**

(57) Abstract :

In view of the foregoing, an embodiment herein discloses a system and method for facilitating virtual world to real world social networking. The system herein may be referred as SAKOOTA . Accordingly, the system may include user module, time share module, event module, back office module and a property management module. Further, the system may include presentation layer, transaction layer and system database. The event module is configured to host the themed events based on the common interest of registered users. The property management module is configured to showcase the available holiday homes, resorts, and other properties to the users based on their selection of interest. Moreover, the themed events can be organized at the properties based on including but not limited to the geography of users having common interest, or user<sup>TM</sup>s selection or system administration<sup>TM</sup>s selection.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.4952/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CORRECTING FOR OFFSET-ERRORS IN A PLL/DLL

|                                               |           |                                                   |
|-----------------------------------------------|-----------|---------------------------------------------------|
| (51) International classification             | :H03L7/00 | (71) <b>Name of Applicant :</b>                   |
| (31) Priority Document No                     | :NA       | <b>1)Cosmic Circuits Pvt Ltd</b>                  |
| (32) Priority Date                            | :NA       | Address of Applicant :303 A-Block 60 ft road AECS |
| (33) Name of priority country                 | :NA       | Layout Kundalahalli Bangalore-560037 Kerala India |
| (86) International Application No             | :NA       | (72) <b>Name of Inventor :</b>                    |
| Filing Date                                   | :NA       | <b>1)Rishi Mathur</b>                             |
| (87) International Publication No             | : NA      | <b>2)Jyoti Arya</b>                               |
| (61) Patent of Addition to Application Number | :NA       | <b>3)Prasenjit Bhowmik</b>                        |
| Filing Date                                   | :NA       |                                                   |
| (62) Divisional to Application Number         | :NA       |                                                   |
| Filing Date                                   | :NA       |                                                   |

(57) Abstract :

The main feedback loop of a PLL/DLL receives a reference clock and an output clock as inputs and operates to achieve one or both of a phase and a frequency lock of the output clock with respect to the reference clock. The PLL/DLL includes an RS-latch connected to receive the output clock and the reference clock. The RS-Latch generates a digital output representing a phase difference between the reference clock and the output clock. A correction block in the PLL/DLL receives the digital output and adjusts an electrical characteristic of the main feedback loop by a magnitude proportional to a value of the digital output. Effects of offset-errors in the PLL/DLL are thereby minimized or corrected for.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1352/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD FOR PRESERVING TAGS FOR EDITED CONTENT

|                                               |            |                                                         |
|-----------------------------------------------|------------|---------------------------------------------------------|
| (51) International classification             | :G06T11/00 | (71) <b>Name of Applicant :</b>                         |
| (31) Priority Document No                     | :NA        | <b>1)Samsung India Software Operations Pvt Ltd</b>      |
| (32) Priority Date                            | :NA        | Address of Applicant :Bagmane Lakeview Block B No. 66/1 |
| (33) Name of priority country                 | :NA        | Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-  |
| (86) International Application No             | :NA        | 560093. Gujarat India                                   |
| Filing Date                                   | :NA        | (72) <b>Name of Inventor :</b>                          |
| (87) International Publication No             | : NA       | <b>1)Gaurav Kumar Jain</b>                              |
| (61) Patent of Addition to Application Number | :NA        | <b>2)Mayank Kotwal</b>                                  |
| Filing Date                                   | :NA        |                                                         |
| (62) Divisional to Application Number         | :NA        |                                                         |
| Filing Date                                   | :NA        |                                                         |

(57) Abstract :

A method for updating tags in original content after editing the content is disclosed. The method reapplies tags presented in original image to the edited image in proper position and place. In case of any transform effects or distortion effects, method applies same editing to tags and calculates the second position of tags. In case of image combination effects, the method adds tags from one or more images and recalculates the second position of tags based on the combination chosen. The method thus ensures that the tags from the original images are updated without being lost. The method updates the tags as per editing operations performed on the content and reapplies on the edited content as per the format supported by hosting platform.

No. of Pages : 46 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4824/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING COSTUS IGNEUS EXTRACT

|                                               |           |                                              |
|-----------------------------------------------|-----------|----------------------------------------------|
| (51) International classification             | :A61K9/00 | (71) <b>Name of Applicant :</b>              |
| (31) Priority Document No                     | :NA       | <b>1)DR. TALASILA ESWARA GOPALA KRISHNA</b>  |
| (32) Priority Date                            | :NA       | <b>MURTHY</b>                                |
| (33) Name of priority country                 | :NA       | Address of Applicant :BAPATLA COLLGE OF      |
| (86) International Application No             | :NA       | PHARMACY, BAPATLA, GUNTUR DISTRICT - 522 101 |
| Filing Date                                   | :NA       | Andhra Pradesh India                         |
| (87) International Publication No             | : NA      | (72) <b>Name of Inventor :</b>               |
| (61) Patent of Addition to Application Number | :NA       | <b>1)DR. TALASILA ESWARA GOPALA KRISHNA</b>  |
| Filing Date                                   | :NA       | <b>MURTHY</b>                                |
| (62) Divisional to Application Number         | :NA       | <b>2)BAVIRISETTI HEMALATHA</b>               |
| Filing Date                                   | :NA       |                                              |

(57) Abstract :

A pharmaceutical composition comprising Costus igneus extract and one or more pharmaceutically acceptable excipients.

No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4828/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF PREGABALIN

|                                               |             |                                                   |
|-----------------------------------------------|-------------|---------------------------------------------------|
| (51) International classification             | :C07C227/00 | (71)Name of Applicant :                           |
| (31) Priority Document No                     | :NA         | <b>1)SHASUN PHARMACEUTICALS LIMITED</b>           |
| (32) Priority Date                            | :NA         | Address of Applicant :28, BATRA CENTER, 3RD & 4TH |
| (33) Name of priority country                 | :NA         | FLOOR, SARDAR PATEL ROAD, GUINDY, CHENNAI 600     |
| (86) International Application No             | :NA         | 032 Tamil Nadu India                              |
| Filing Date                                   | :NA         | (72)Name of Inventor :                            |
| (87) International Publication No             | : NA        | <b>1)DR. BHUVANESWARI SRIDHAR</b>                 |
| (61) Patent of Addition to Application Number | :NA         | <b>2)DR. SRIMURUGAN SANKARESWARAN</b>             |
| Filing Date                                   | :NA         | <b>3)SATHISH KUMAR SANTHANAMPILLAI</b>            |
| (62) Divisional to Application Number         | :NA         |                                                   |
| Filing Date                                   | :NA         |                                                   |

(57) Abstract :

Disclosed is the process suitable for industrial synthesis of Pregabalin from (R)-(-)-3-(carbamoylemethyl)-5-methylhexanoic using sodium hypochlorite with low ash content by means of reverse addition.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4960/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF BIVALIRUDIN

|                                               |       |                                                    |
|-----------------------------------------------|-------|----------------------------------------------------|
| (51) International classification             | :C07K | (71)Name of Applicant :                            |
| (31) Priority Document No                     | :NA   | <b>1)AURO PEPTIDES LTD</b>                         |
| (32) Priority Date                            | :NA   | Address of Applicant :PLOT NO.2, MAITRIVIHAR,      |
| (33) Name of priority country                 | :NA   | AMEERPET, HYDERABAD - 500 038 Andhra Pradesh India |
| (86) International Application No             | :NA   | (72)Name of Inventor :                             |
| Filing Date                                   | :NA   | <b>1)AGASALADINNI NAGANNA GOUD</b>                 |
| (87) International Publication No             | : NA  | <b>2)VADLAMANI SURESH KUMAR</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 a process for the preparation of Bivalirudin which comprises: providing a protected dipeptide of formula (II), coupling of the protected dipeptide two times to a protected dodecapeptide on a solid support to produce a protected hexadecapeptide fragment of formula (IV); coupling of a protected tetrapeptide of following formula (V), to the hexadecapeptide of formula (IV) in step (b) to yield Bivalirudin on resin; concurrent cleaving and de-blocking of the peptide from the resin yields Bivalirudin; optionally, purifying crude Bivalirudin to produce pure Bivalirudin (I)-

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4776/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHOTOVOLTAIC SHELTER WITH ADVANCED INGRESS PROTECTION AND IMPROVED THERMAL BEHAVIOUR

|                                               |            |                                                      |
|-----------------------------------------------|------------|------------------------------------------------------|
| (51) International classification             | :H01L31/00 | (71)Name of Applicant :                              |
| (31) Priority Document No                     | :NA        | <b>1)SCHNEIDER ELECTRIC INDUSTRIES SAS</b>           |
| (32) Priority Date                            | :NA        | Address of Applicant :35, RUE JOSEPH MONIER, F-92500 |
| (33) Name of priority country                 | :NA        | RUEIL MALMAISON France                               |
| (86) International Application No             | :NA        | (72)Name of Inventor :                               |
| Filing Date                                   | :NA        | <b>1)PRASANTA KUMAR PATRA</b>                        |
| (87) International Publication No             | : NA       | <b>2)SHAIENDRA SOMANI</b>                            |
| (61) Patent of Addition to Application Number | :NA        | <b>3)DEEPAK SHARMA</b>                               |
| Filing Date                                   | :NA        | <b>4)RAVINDRA AGARWAL</b>                            |
| (62) Divisional to Application Number         | :NA        |                                                      |
| Filing Date                                   | :NA        |                                                      |

(57) Abstract :

The invention discloses a photovoltaic shelter for protecting electrical components of a solar power plant. The photovoltaic shelter includes walls and roof made of PUF material of low thermal conductivity for maintaining internal temperature lower than the outside temperature, door carrying anti-sand louvers and filters for advance protection from sand and dust, and industrial exhaust fan along with air-duct mechanism for minimizing the internal temperature. The photovoltaic shelter is configured as a single package solution based on IP54 standard to provide protection from sand, dust, heat, sun and rain water. The louvers are configured with auto cleaning mechanism.

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4903/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : COMPOSITE PASTE TO BUILDUP SURFACES AND THE PROCESS OF MAKING THE PASTE

|                                               |       |                                                 |
|-----------------------------------------------|-------|-------------------------------------------------|
| (51) International classification             | :C08K | (71) <b>Name of Applicant :</b>                 |
| (31) Priority Document No                     | :NA   | <b>1)CENTRE FOR EMERGING TECHNOLOGIES, JAIN</b> |
| (32) Priority Date                            | :NA   | <b>UNIVERSITY</b>                               |
| (33) Name of priority country                 | :NA   | Address of Applicant :JAIN GLOBAL CAMPUS,       |
| (86) International Application No             | :NA   | JAKKASANDRA POST, KANAKAPURA TALUK,             |
| Filing Date                                   | :NA   | RAMANAGARAM DISTRICT - 562 112 Karnataka India  |
| (87) International Publication No             | : NA  | (72) <b>Name of Inventor :</b>                  |
| (61) Patent of Addition to Application Number | :NA   | <b>1)GOPALAKRISHNA KESHAHA NARAYANA</b>         |
| Filing Date                                   | :NA   | <b>2)MOHAN CHIKKAMARANAHALI</b>                 |
| (62) Divisional to Application Number         | :NA   | <b>BHOGANARASIMHAIAH</b>                        |
| Filing Date                                   | :NA   |                                                 |

(57) Abstract :

The present disclosure relates to a polymer composite material comprising a polystyrene and a reinforcement mixed together in a suitable quantity. The polymer composite material is having application in extending service life of a component by reformation of worn out surfaces, surface voids and surface cracks.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3637/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/09/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : CRYSTALLINE ERLOTINIB HYDROCHLORIDE PROCESS

|                                               |             |                                                  |
|-----------------------------------------------|-------------|--------------------------------------------------|
| (51) International classification             | :C07D239/00 | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA         | <b>1)SHILPA MEDICARE LIMITED</b>                 |
| (32) Priority Date                            | :NA         | Address of Applicant :2ND FLOOR, 10/80, RAJENDRA |
| (33) Name of priority country                 | :NA         | GUNJ, RAICHUR Karnataka India                    |
| (86) International Application No             | :NA         | (72)Name of Inventor :                           |
| Filing Date                                   | :NA         | <b>1)SHRAWAT, VIMAL KUMAR</b>                    |
| (87) International Publication No             | : NA        | <b>2)PUROHIT, PRASHANT</b>                       |
| (61) Patent of Addition to Application Number | :NA         | <b>3)RAFIUDDIN</b>                               |
| Filing Date                                   | :NA         | <b>4)SINGH; VINOD KUMAR</b>                      |
| (62) Divisional to Application Number         | :NA         | <b>5)CHATURVEDI, AKSHAY KANT</b>                 |
| Filing Date                                   | :NA         |                                                  |

(57) Abstract :

The present invention provides process for preparation of Crystalline Erlotinib HC1 (I) Form-SE characterized by X-ray powder diffraction pattern comprising at least 5 characteristic 20°peaks selected from the XRPD peak set of 5.60, 10.00, 11.40, 13.00, 13.50, 15.20, 18.40,20.65,21.86, 23.5, 31.80, 32.13, 32.80, 34.40 ± 0.20 26° , DSC isotherm comprising the endothermic peaks ranging between 213 to 217°C (Peak -1) and 225 to 235°C (Peak -2) and IR absorption characteristic peaks at approximately 3278 cm , 1948 cm1, 1871 cm, 1632 cm, 1164 cm, 1024 cm1, 940 cm1 and 742 cm1 useful as active pharmaceutical ingredient in pharmaceutical compositions for the treatment cancer.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.4930/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : MULTIPURPOSE SINGLE USE STERILE MEDICAL DEVICE FOR SURGICAL WOUND CLOSURE PROCEDURES AND METHOD THEREOF

|                                               |       |                                                |
|-----------------------------------------------|-------|------------------------------------------------|
| (51) International classification             | :A61B | (71)Name of Applicant :                        |
| (31) Priority Document No                     | :NA   | <b>1)JAGANNATH YEDIDA</b>                      |
| (32) Priority Date                            | :NA   | Address of Applicant :502, ROHINI APARTMENTS,  |
| (33) Name of priority country                 | :NA   | OPPOSITE BANK OF BARODA, SRINAGAR COLONY MAIN  |
| (86) International Application No             | :NA   | ROAD, HYDERABAD - 500 073 Andhra Pradesh India |
| Filing Date                                   | :NA   | (72)Name of Inventor :                         |
| (87) International Publication No             | : NA  | <b>1)JAGANNATH YEDIDA</b>                      |
| (61) Patent of Addition to Application Number | :NA   |                                                |
| Filing Date                                   | :NA   |                                                |
| (62) Divisional to Application Number         | :NA   |                                                |
| Filing Date                                   | :NA   |                                                |

(57) Abstract :

A multipurpose sterile medical device for surgical wound closure, the device comprising a body portion consists of a soft and flexible polymer jacket on one side (top) and hard polymer tube on the other side (bottom) providing a cavity, the cavity sized to accept a frangible container having a medical adhesive material; a micro tip that has narrow channel opening disposed on the top end of the flexible polymer jacket and is embedded with micro porosity polymer filter; a pressing tong disposed in a central position of the body configured as a breaking member to the frangible container by partially deflectable into the cavity; at least one holding tape roll consisting of medical tape disposed below the pressing tongs over the hard polymer tube; and a soft absorbent stick disposed at the bottom side of the hard polymer tube and further on the outer side of the said body.

No. of Pages : 52 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4243/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD AND A SYSTEM FOR MAINTAINING CONSTANT POWER OUTPUT IN LOW PRESSURE STAGES OF STEAM TURBINE UNDER VARIABLE EXTRACTION OF WORKING FLUID

|                                               |           |                                                  |
|-----------------------------------------------|-----------|--------------------------------------------------|
| (51) International classification             | :F01K7/00 | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA       | <b>1)BINDINGNAVALE RANGA KRISHNA KUMAR</b>       |
| (32) Priority Date                            | :NA       | Address of Applicant :#202 SURYA APARTMENTS, NO. |
| (33) Name of priority country                 | :NA       | 16, FIFTH MAIN ROAD, MALLESWARAM, BANGALORE -    |
| (86) International Application No             | :NA       | 560 003 Karnataka India                          |
| Filing Date                                   | :NA       | (72)Name of Inventor :                           |
| (87) International Publication No             | : NA      | <b>1)BINDINGNAVALE RANGA KRISHNA KUMAR</b>       |
| (61) Patent of Addition to Application Number | :NA       |                                                  |
| Filing Date                                   | :NA       |                                                  |
| (62) Divisional to Application Number         | :NA       |                                                  |
| Filing Date                                   | :NA       |                                                  |

(57) Abstract :

The various embodiments of the present invention provide a method and a system for maintaining a constant power output from the low pressure stages of an extraction-condensing type steam turbine under the large variations of extraction or bleed. The method comprises of keeping the flow of working fluid to the low pressure stages constant for a wide range of variations in extraction. The present invention utilizes a pressure reducing and de-superheating stations (PRDS) and an Auxiliary Quick Start „ turbine to maintain the constant flow of working fluid or alternatively two pressure reducing and de-superheating stations (PRDS) for the same. The Auxiliary Quick Start „ turbine or PRDS is used to maintain the constant power output from the low pressure stages of the extraction-condensing type steam turbine.

No. of Pages : 52 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4590/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : WIPER CONNECTOR FOR VEHICLE

|                                               |                    |                                                                               |
|-----------------------------------------------|--------------------|-------------------------------------------------------------------------------|
| (51) International classification             | :B60S1/00          | (71)Name of Applicant :                                                       |
| (31) Priority Document No                     | :10-2011-0116273   | <b>1)KCW CORPORATION</b>                                                      |
| (32) Priority Date                            | :09/11/2011        | Address of Applicant :400-86, GALSAN-DONG, DALSEO-GU, DAEGU Republic of Korea |
| (33) Name of priority country                 | :Republic of Korea | (72)Name of Inventor :                                                        |
| (86) International Application No             | :NA                | <b>1)KIM, TAE KYEONG</b>                                                      |
| Filing Date                                   | :NA                | <b>2)KIM, KWAN HEE</b>                                                        |
| (87) International Publication No             | : NA               | <b>3)AN, JAE HYUCK</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 wiper connector for a vehicle. According to the embodiment of the present invention, the wiper connector includes: a body 320 or 321 which is connected to the wiper arm by receiving a catching protrusion of the wiper arm through use of at least one coupling part 330, 331, 340 or 341 formed on both sides thereof; and a cover part 310 or 311 restricting forward and backward or upward and downward movement of the wiper arm coupled to the body 320 or 321, wherein the body 320 or 321 includes a fitting part 350 or 351 which is provided on the bottom surface thereof and is fitted and coupled to a fitting recess 222 or 220 formed in a central portion of the wiper blade 10.

No. of Pages : 65 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4820/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : SEMICONDUCTOR LIGHT EMITTING DEVICE

|                                               |              |                                                     |
|-----------------------------------------------|--------------|-----------------------------------------------------|
| (51) International classification             | :H01L33/00   | (71) <b>Name of Applicant :</b>                     |
| (31) Priority Document No                     | :2011-254128 | <b>1)SHARP KABUSHIKI KAISHA</b>                     |
| (32) Priority Date                            | :21/11/2011  | Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU, |
| (33) Name of priority country                 | :Japan       | OSAKA-SHI, OSAKA 545-8522 Japan                     |
| (86) International Application No             | :NA          | (72) <b>Name of Inventor :</b>                      |
| Filing Date                                   | :NA          | <b>1)IGUCHI, KATSUJI</b>                            |
| (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 semiconductor light emitting device includes a substrate having a wiring pattern formed thereon, and a semiconductor light emitting element mounted on one main surface of the substrate and electrically connected to the wiring pattern. The substrate has, on the one main surface, a serrated structure reflecting at least part of light emitted from said semiconductor light emitting element to the substrate, to a direction perpendicular to the one main surface.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4899/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN EXTENDED VALVE FOR USE WITH INNER TUBES OF VEHICLE

|                                               |            |                                                   |
|-----------------------------------------------|------------|---------------------------------------------------|
| (51) International classification             | :B60C29/00 | (71)Name of Applicant :                           |
| (31) Priority Document No                     | :NA        | <b>1)APOLLO TYRES LIMITED</b>                     |
| (32) Priority Date                            | :NA        | Address of Applicant :6TH FLOOR, CHERUPUSHPAM     |
| (33) Name of priority country                 | :NA        | BUILDING, SHANMUGHAM ROAD, KOCHI - 682 031 Kerala |
| (86) International Application No             | :NA        | India                                             |
| Filing Date                                   | :NA        | (72)Name of Inventor :                            |
| (87) International Publication No             | : NA       | <b>1)ARUP KUMAR CHANDRA</b>                       |
| (61) Patent of Addition to Application Number | :NA        | <b>2)PULIKAPARAMBIL KOCHAIDREW MOHAMMED</b>       |
| Filing Date                                   | :NA        | <b>3)JOJI THELLY</b>                              |
| (62) Divisional to Application Number         | :NA        |                                                   |
| Filing Date                                   | :NA        |                                                   |

(57) Abstract :

This invention relates to a special tyre extension valve for trucks and buses, especially for the rear tyre twin fitment system to reduce the difficulties for accessing the inner tyre inflation. When the extension valve is fitted to the existing brass valve, it provides the space to check and to correct the pressure of the inner rear tires periodically without any difficulties which in turn reduces the premature tyre failure.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1280/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :08/11/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN ARRANGEMENT FOR CONTROLLING THE PROCESS OF ROTARY CHIP REMOVING MACHINING OF A WORKPIECE, AND A CUTTING TOOL FOR ROTARY CHIP REMOVING MACHINING

|                                               |             |                                                  |
|-----------------------------------------------|-------------|--------------------------------------------------|
| (51) International classification             | :H01Q 1/00  | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :12 193     | <b>1)SANDVIK INTELLECTUAL PROPERTY AB</b>        |
| (32) Priority Date                            | :22/11/2012 | Address of Applicant :S-811 81 Sandviken, Sweden |
| (33) Name of priority country                 | :Sweden     | (72)Name of Inventor :                           |
| (86) International Application No             | :NA         | <b>1)SJÖÖ, Sture</b>                             |
| Filing Date                                   | :NA         | <b>2)ERIKSSON, Peter</b>                         |
| (87) International Publication No             | : NA        | <b>3)HELGOSON, Martin</b>                        |
| (61) Patent of Addition to Application Number | :NA         |                                                  |
| Filing Date                                   | :NA         |                                                  |
| (62) Divisional to Application Number         | :NA         |                                                  |
| Filing Date                                   | :NA         |                                                  |

(57) Abstract :

An arrangement for controlling the process of rotary chip removing machining of a workpiece (W), comprising a monitoring system for monitoring the rotary chip re-moving machining, wherein the monitoring system comprises at least one surface acoustic wave, SAW, sensor (48; 148; 248) arranged to be mounted to a cutting tool (1; 101; 201) for rotary chip removing machining of the workpiece (W). The monitoring system comprises at least one first antenna (50; 150; 250) arranged to be mounted to the cutting tool, the at least one first antenna being connectable to the at least one SAW sensor. The monitoring system comprises at least one second antenna (52), the first antenna being arranged for wireless communication with the second antenna, wherein each SAW sensor is arranged to detect at least one parameter of a group of parameters consisting of strain, temperature and pressure. The SAW sensor and the first antenna are arranged to transmit the detected at least one parameter to the second antenna in response to an interrogation signal received by the first antenna from the second antenna. The SAW sensor and the first antenna are arranged to receive energy from the interrogation signal in order to transmit the detected at least one parameter to the second antenna. The monitoring system comprises a processing unit (60) connected to the second antenna, wherein the processing unit is arranged to transmit the interrogation signal and transmission energy to the first antenna and to the SAW sensor via the second antenna. The processing unit is arranged to receive the detected at least one parameter via the second antenna. The arrangement comprises a control system (62) arranged to communicate with the monitoring system, wherein the control system is arranged to control the machining of the workpiece at least partially based on the detected at least one parameter. A cutting tool provided with the at least one SAW sensor and the at least one first antenna.

No. of Pages : 45 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1346/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :28/11/2013

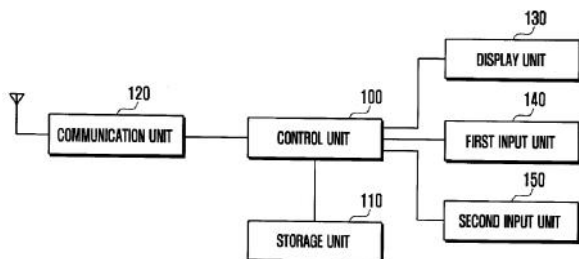
(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND APPARATUS FOR CONTENT PROCESSING.

|                                               |                    |                                                                                                   |
|-----------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------|
| (51) International classification             | :H04R23/00         | (71)Name of Applicant :                                                                           |
| (31) Priority Document No                     | :10-2012-0137841   | <b>1)SAMSUNG ELECTRONICS CO., LTD.</b>                                                            |
| (32) Priority Date                            | :30/11/2012        | Address of Applicant :129,SAMSUNG-RO,YEONGTONG-GU,SUWON-SI, GYEONGGI-DO,443-742,REPUBLIC OF KOREA |
| (33) Name of priority country                 | :Republic of Korea | (72)Name of Inventor :                                                                            |
| (86) International Application No             | :NA                | <b>1)JINHO CHOI</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 :

Methods and apparatus for content processing are provided. A plurality of content is displayed. It is determined whether an input is received for moving a selected content of the plurality of content onto a target content of the plurality of content. The target content is configured as a master content, when the input is received. The selected content is linked to the master content. An indicator of the selected content is displayed on the master content. It is determined whether an input is received for separating the content from the master content. A link between the content and the master content is released, when the input is received. The indicator of the content is removed from the master content.



No. of Pages : 43 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION  
(19) INDIA

(22) Date of filing of Application :28/11/2013

(21) Application No.1347/KOL/2013 A

(43) Publication Date : 30/05/2014

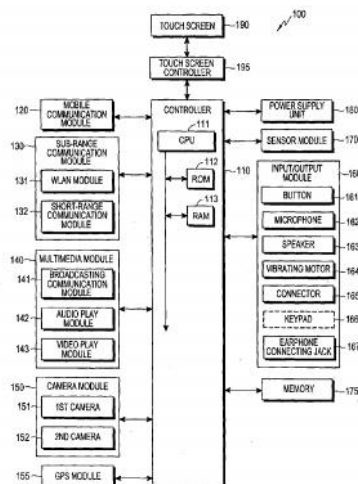
(54) Title of the invention : APPARATUS AND METHOD OF MANAGING A PLURALITY OF OBJECTS DISPLAYED ON TOUCH SCREEN.

(51) International classification :G06F 3/00  
(31) Priority Document No :10-2012-0138040  
(32) Priority Date :30/11/2012  
(33) Name of priority country :Republic of Korea  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)SAMSUNG ELECTRONICS CO., LTD.**  
Address of Applicant :129,SAMSUNG-RO,YEONGTONG-GU,SUWON-SI, GYEONGGI-DO,443-742,REPUBLIC OF KOREA  
(72)Name of Inventor :  
**1)SEUNG-MYUNG LEE**

(57) Abstract :

A method and an apparatus of managing a plurality of objects displayed on a touch screen are provided. The method includes determining whether at least two objects of the plurality of objects have been touched simultaneously on the touch screen, determining whether at least one of the at least two objects has moved on the touch screen, if the at least two objects have been touched simultaneously, determining the distance between the touched at least two objects, if the at least one of the at least two objects has moved on the touch screen, combining the touched at least two objects into a set, if the distance between the touched at least two objects is less than a predetermined value, and displaying the set on the touch screen.



No. of Pages : 78 No. of Claims : 14



(12) PATENT APPLICATION PUBLICATION  
(19) INDIA

(22) Date of filing of Application :25/11/2013

(21) Application No.1325/KOL/2013 A

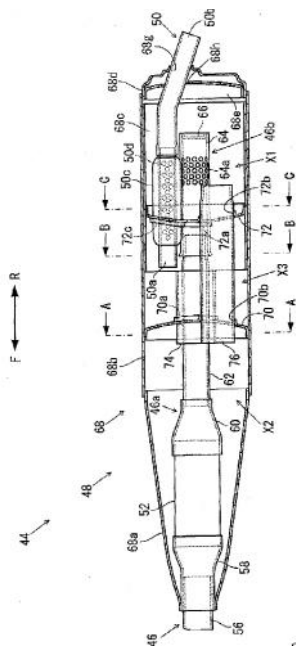
(43) Publication Date : 30/05/2014

(54) Title of the invention : MUFFLER AND SADDLE TYPE VEHICLE.

|                                               |              |                                                                 |
|-----------------------------------------------|--------------|-----------------------------------------------------------------|
| (51) International classification             | :F01N 1/00   | (71)Name of Applicant :                                         |
| (31) Priority Document No                     | :2012-258672 | 1)YAMAHA HATSUDOKI KABUSHIKI KAISHA                             |
| (32) Priority Date                            | :27/11/2012  | Address of Applicant :2500 SHINGAI,IWATA-SHI,SHIZUOKA-KEN,JAPAN |
| (33) Name of priority country                 | :Japan       | (72)Name of Inventor :                                          |
| (86) International Application No             | :NA          | 1)TAKASHI FUJINAKA                                              |
| 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 :

There is provided a muffler which is capable of sufficiently reducing influence from heat generated in a catalyst. There is also provided a saddle type vehicle including the muffler. A saddle type vehicle 10 includes an engine 14 and a muffler 44. The muffler 44 includes an exhaust pipe 46, a silencer 48 and a catalyst 52. The silencer 48 includes a main body portion 68, a first separator 70 and a second separator 72. Inside the main body portion 68, a first expansion chamber X1 is on a rearward side of the second separator 72, a second expansion chamber X2 is on a forward side of the first separator 70, and a third expansion chamber X3 is between the first separator 70 and the second separator 72. The catalyst 52 is held by the exhaust pipe 46 inside the second expansion chamber X2. The exhaust pipe 46 passes through the through-hole 70a without making contact with the first separator 70, and is supported by the second separator 72. Exhaust gas from the engine 14 flows through the exhaust pipe 46, the first expansion chamber X1, the second expansion chamber X2 and the third expansion chamber X3 in this order, and then is released from the main body portion 68.



No. of Pages : 36 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1326/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date : 30/05/2014

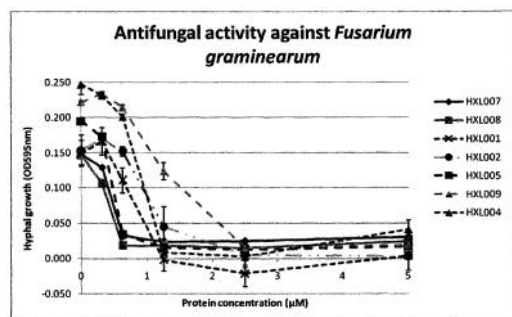
(54) Title of the invention : USE OF ANTI-FUNGAL DEFENSINS.

(51) International classification :A01N 63/00  
(31) Priority Document No :2012905150  
(32) Priority Date :23/11/2012  
(33) Name of priority country :Australia  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)HEXIMA LIMITED**  
Address of Applicant :L 1,379 COLLINS ST  
MELBOURNE,VIC 3000,AUSTRALIA  
(72)**Name of Inventor :**  
**1)NICOLE LOUISE VAN DER WEERDEN**  
**2)MARILYN ANNE ANDERSON**

(57) Abstract :

The present disclosure relates to the protection of plants from fungal pathogens. The present disclosure enables the use of defensins as anti-pathogenic fungal agents.



No. of Pages : 99 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1327/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : BALANCE-SHAFT GEAR ASSEMBLY.

|                                               |             |                                                    |
|-----------------------------------------------|-------------|----------------------------------------------------|
| (51) International classification             | :B60B 7/00  | (71)Name of Applicant :                            |
| (31) Priority Document No                     | :101222941  | <b>1)SANYANG INDUSTRY CO. LTD.</b>                 |
| (32) Priority Date                            | :27/11/2012 | Address of Applicant :184 KENG TZU KOU, SHANG KENG |
| (33) Name of priority country                 | :Taiwan     | VILLAGE,HSIN FONG SHIANG, HSINCHU,TAIWAN R.O.C.    |
| (86) International Application No             | :NA         | (72)Name of Inventor :                             |
| Filing Date                                   | :NA         | <b>1)WU CHUN-HSIEN</b>                             |
| (87) International Publication No             | : NA        | <b>2)YU CHIH-WEN</b>                               |
| (61) Patent of Addition to Application Number | :NA         | <b>3)SUN CHEN-TING</b>                             |
| Filing Date                                   | :NA         |                                                    |
| (62) Divisional to Application Number         | :NA         |                                                    |
| Filing Date                                   | :NA         |                                                    |

(57) Abstract :

A balance-shaft gear assembly includes a balance-shaft transmission flange, a balance-shaft transmission gear, a plurality of elastic elements, a coned washer, and a retaining ring. The balance-shaft transmission flange is provided, at a circumferential wall, with a plurality of arc protrusions, and at a peripheral surface, with an axial protrusion. The balance-shaft transmission gear is, at an internal circumferential wall, with a plurality of protrusions such that the plural protrusions can abut upon the arc protrusions of the balance-shaft transmission flange, so that the balance-shaft transmission gear can be sleeved on the balance-shaft transmission flange, and that a receiving chamber can be formed between two neighboring protrusions for receiving an elastic element. The coned washer is received in a groove formed on the axial protrusion of the balance-shaft transmission flange, and presses against an outer surface of the balance-shaft transmission gear. In addition, the retaining ring fastens the groove formed on the axial protrusion, and presses against the coned washer so as to restrain the same from sliding axially and outward. Therefore, through such design of the elastic elements and the coned washer, impact incurred during operation of the balance-shaft gear can be absorbed so as to reduce noise.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :17/03/2010

(21) Application No.265/KOL/2010 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : BIOSURF

|                                               |           |
|-----------------------------------------------|-----------|
| (51) International classification             | :C05B7/00 |
| (31) Priority Document No                     | :NA       |
| (32) Priority Date                            | :NA       |
| (33) Name of priority country                 | :NA       |
| (86) International Application No             | :NA       |
| Filing Date                                   | :NA       |
| (87) International Publication No             | : NA      |
| (61) Patent of Addition to Application Number | :NA       |
| Filing Date                                   | :NA       |
| (62) Divisional to Application Number         | :NA       |
| Filing Date                                   | :NA       |

(71)Name of Applicant :

**1)PROF. BOLIN KUMAR KONWAR**

Address of Applicant :DEPT. OF MBBT, TEZPUR  
UNIVERSITY, NAPAAM, TEZPUR-784028 Assam India

(72)Name of Inventor :

**1)PROF. BOLIN KUMAR KONWAR**

**2)DR. NABA KUMAR BORDOLOI**

(57) Abstract :

Biosurfactant can make hydrocarbon complexes more mobile with the potential use in oil recovery, pumping of crude oil and in bioremediation of crude oil contaminant. Biosurfactants were found to be lipopeptide and protein-starch-lipid complex in nature and they could reduce the surface tension of pure water (72 mNm- 1) to 35 mNm-1. Pseudomonas aeruginosa strains MTCC7815, MTCC7812, MTCC 8163, MTCC 8165, and MTCC7814 were found to produce biosurfactant in suitable media. The medium having the combined application of fluorene and phenanthrene caused better biosurfactant production (45 µg. ml-1) and (38 µg. ml-1) by MTCC7815 and MTCC7814, respectively. The biosurfactant from MTCC7815 (41.0 µg. ml-1) and MTCC7812 (26 µg. ml-1 ) exhibited higher solubilization of pyrene; whereas, MTCC8165 caused higher solubilization of phenanthrene; and that of MTCC7812 (24.45 µg.ml-1 ) and MTCC8163 (24.49 µg.ml-1 ) caused more solubilization of fluorene. Higher solubilization of pyrene and fluorene by the biosurfactant of MTCC7815 and MTCC7812, respectively enhanced their metabolism causing sustained growth. The critical micelle concentration (CMC) was also lower than the chemical surfactant sodium dodecyl sulphate (SOS). They differed in quantity and structure. The predominant rhamnolipids present in biosurfactants are Rha-Ca-ClO and Rha-C10-Ca.

No. of Pages : 5 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1358/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

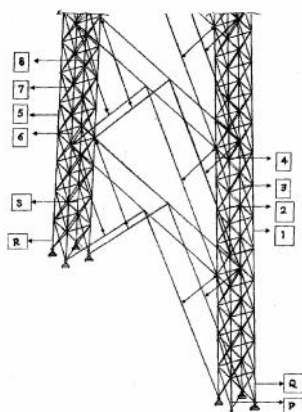
(43) Publication Date : 30/05/2014

(54) Title of the invention : A STRUCTURAL ARRANGEMENT FOR 2 LEGGED TRESTLE MORE THAN 25M FOR DOUBLE CONVEYOR GALLERY IN COAL HANDLING PLANT

|                                               |       |                                                  |
|-----------------------------------------------|-------|--------------------------------------------------|
| (51) International classification             | :B62D | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA   | <b>1)BHARAT HEAVY ELECTRICALS LIMITED</b>        |
| (32) Priority Date                            | :NA   | Address of Applicant :REGIONAL OPERATIONS        |
| (33) Name of priority country                 | :NA   | DIVISION(ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR,  |
| (86) International Application No             | :NA   | KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091,     |
| Filing Date                                   | :NA   | HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI |
| (87) International Publication No             | : NA  | FORT, NEW DELHI - 110049, INDIA.                 |
| (61) Patent of Addition to Application Number | :NA   | (72)Name of Inventor :                           |
| Filing Date                                   | :NA   | <b>1)BAVATHARINI ARUMUGAM</b>                    |
| (62) Divisional to Application Number         | :NA   | <b>2)MOHAMED MUNEER KONTHEDATH MADATHIL</b>      |
| Filing Date                                   | :NA   | <b>3)PILLARISETTI MEHER LAKSHMI PRASAD</b>       |

(57) Abstract :

A structural arrangement for 2 legged trestle of more than 25m for double conveyor gallery structure with two set of frames (P, R and Q, S) are placed at appropriate intervals at both X and Z direction in order to form a laced column which acts as a single unit. Two frames consist of four columns. Each column has four legs. The legs (1, 2, 3, 4, 5, 6, 7 and 8) are laced together horizontally in front by horizontal beam (10) and at the side with horizontal lacings (13) and vertically at front (9, 12) and at side (14, 15) by vertical lacings and the two columns are connected by inclined bracings (16, 17) to result a cumulative effect in the reduction of wind load along the conveyor direction.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1276/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :08/11/2013

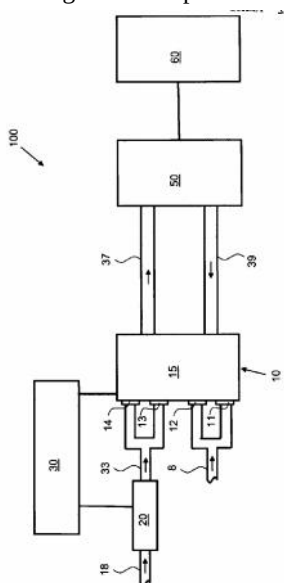
(43) Publication Date : 30/05/2014

(54) Title of the invention : POWER PLANT AND METHOD FOR GENERATING ELECTRICAL POWER

|                                               |               |                                           |
|-----------------------------------------------|---------------|-------------------------------------------|
| (51) International classification             | :F02C 3/00    | (71)Name of Applicant :                   |
| (31) Priority Document No                     | :EP12008052.8 | 1)LUMENION AG                             |
| (32) Priority Date                            | :30/11/2012   | Address of Applicant :ZUGERBERGSTR.4 6301 |
| (33) Name of priority country                 | :EPO          | ZUG/SWITZERLAND                           |
| (86) International Application No             | :NA           | (72)Name of Inventor :                    |
| Filing Date                                   | :NA           | 1)ZWINKELS, ANDREW                        |
| (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 power plant for generating electrical power having a burner unit, wherein thermal energy can be produced by burning a fuel, a turbine unit, wherein a rotational movement can be produced with the thermal energy, and a generator unit which is driven by the rotational movement to generate electrical power. The power plant is characterised according to the invention in that in order to produce the thermal energy, in addition to the burner unit, an electric heating unit is provided, through which electrical energy can be converted into thermal energy to drive the turbine unit. In addition the invention relates to a method for generating electrical power.



No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1378/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : IMPROVED PULSED GMAW TECHNIQUES FOR HANDHOLE PIPE WELDING

(51) International classification

:B23K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)KANDASAMI DEVAKUMARAN**

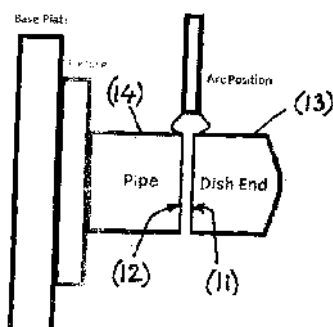
**2)PACKIRISAMY SHANMUGASUNDARAM**

**3)NAINAPPEN RAJASEKARAN**

**4)ARSAN RAJA**

(57) Abstract :

The invention relates to improved pulsed GMAW technique for hand hole pipe welding and in particular for hand-hole pipe to dish end cover butt welding in headers for boiler components where the conventional adopted process was by Gas Tungsten Arc Welding (GTAW) for root passes and shielded Metal Arc Welding (SMAW) for further passes. The improved process discloses root pass welding by using wave form controlled Gas Metal Arc Welding (GMAW) commonly referred as Surface Tension Transfer (STT) process followed by pulsed current GMAW (P-GMAW) process for filler passes by setting parameters and setting arrangement which has ensured higher productivity, minimized rejection rate as well as eliminating dependency over skilled welding personnel.



No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1284/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :11/11/2013

(43) Publication Date : 30/05/2014

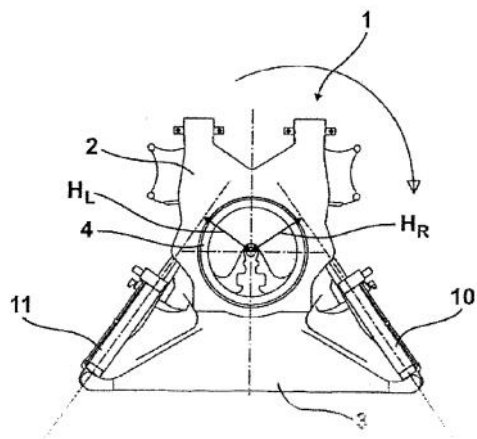
(54) Title of the invention : AN ARTICULATED VEHICLE WITH A JOINT BETWEEN THE VEHICLE PARTS

(51) International classification :E05F 5/00  
(31) Priority Document No :EP12 008 029.6  
(32) Priority Date :30/11/2012  
(33) Name of priority country :EPO  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)HÜBNER GMBH & CO. KG**  
Address of Applicant :HEINRICH-HERTZ-STRASSE 2  
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(72)Name of Inventor :  
**1)RALF AHRENS**  
**2)JAN HENDRIK DECKE**  
**3)UWE BITTOREF**  
**4)JENS KARASEK**  
**5)MARCUS MALATITSCH**

(57) Abstract :

The invention relates to an articulated vehicle with a joint (1) between the vehicle parts, wherein the joint (1) includes two joint segments (2, 3) that are rotatable relative to each other, wherein the joint (1) comprises a damping device (13), wherein the damping device (13) is configured in such a manner that in any angular position of the joint segments (2, 3) the damping torque acting on the joint (1) is substantially the same in a positive as well as in a negative direction of rotation at the moment of a reversal of the direction of rotation.



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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1368/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : A METHOD FOR COLLECTION OF ENZYME

(51) International classification

:A01K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)CENTRAL TASAR RESEARCH AND TRAINING  
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TEXTILES, GOVT. OF INDIA)**

Address of Applicant :P.O.- PISKA NAGRI, RANCHI -  
835303 JHARKHAND, INDIA.

(72)Name of Inventor :

**1)PANDEY JAY PRAKASH**

**2)MISHRA PRADEEP KUMAR**

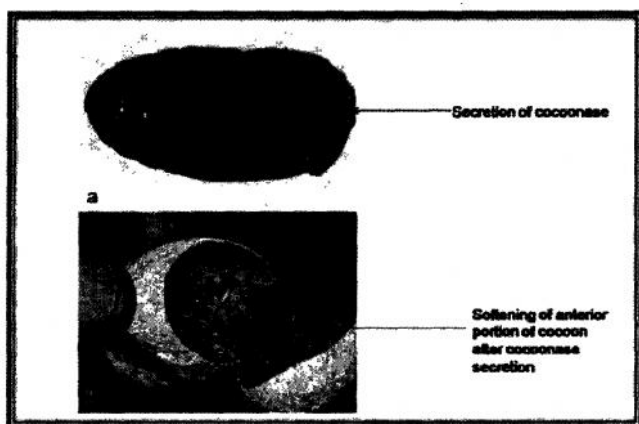
**3)KUMAR DINESH**

**4)SINHA AJIT KUMAR**

**5)PRASAD BHAGWAN CHANDRA**

(57) Abstract :

The present disclosure relates to a method for collection of an enzyme from silkworm. Further the present disclosure also provides a method to obtain silk from the enzyme collected. The method provided in the present disclosure is easy, economical and user friendly and can be carried out at a large scale for collection of a large quantity of the enzyme.



No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1370/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

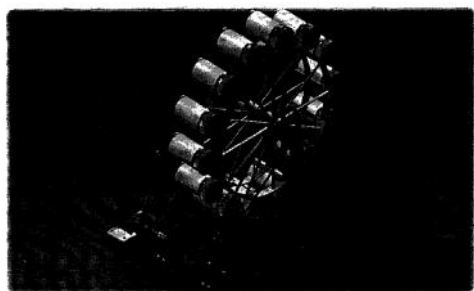
(43) Publication Date : 30/05/2014

(54) Title of the invention : A POLISHING SYSTEM FOR POLISHING OF SURFACE OF SUBJECTS SUCH AS THE INCENSE STICKS

|                                               |       |                                                  |
|-----------------------------------------------|-------|--------------------------------------------------|
| (51) International classification             | :B24D | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA   | <b>1)NATIONAL INSTITUTE OF TECHNOLOGY</b>        |
| (32) Priority Date                            | :NA   | <b>AGARTALA</b>                                  |
| (33) Name of priority country                 | :NA   | Address of Applicant :BARJALA, JIRANIA, TRIPURA, |
| (86) International Application No             | :NA   | INDIA, PIN:799055 Tripura India                  |
| Filing Date                                   | :NA   | (72)Name of Inventor :                           |
| (87) International Publication No             | : NA  | <b>1)DEBBARMA, SHUBHENDU</b>                     |
| (61) Patent of Addition to Application Number | :NA   | <b>2)DEB BARMA, JHON</b>                         |
| Filing Date                                   | :NA   | <b>3)MAJUMDER, ARINDAM</b>                       |
| (62) Divisional to Application Number         | :NA   |                                                  |
| Filing Date                                   | :NA   |                                                  |

(57) Abstract :

A polishing system for providing surface polishing of subjects such as incense sticks and the like. The polishing system is adapted for incense stick polishing prior to rolling which is simple and faster and is adapted to produce uniform smooth finish of sticks in bulk in single batch in less time with less rejection and consuming less power. The sticks are loaded in a plurality of jars which are attached to a load wheel which is rotated by an electric motor such that there is friction of the surface of sticks with abrasive surface of inner wall of jars and also sand grains as abrasives kept within the jars under the action of a rotating wing inside each jar. Advantageously also, the system is compact and is capable to be operated even manually with less effort in absence of electrical power supply making such polishing system suitable for small and medium industry or manual operation by individual person.



No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1214/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/10/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD AND APPARATUS FOR CASTING CONCRETE PRODUCTS

(51) International classification

:B22D  
11/00

(31) Priority Document No

:20126252

(32) Priority Date

:29/11/2012

(33) Name of priority country

:Finland

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)ELEMATIC OY AB**

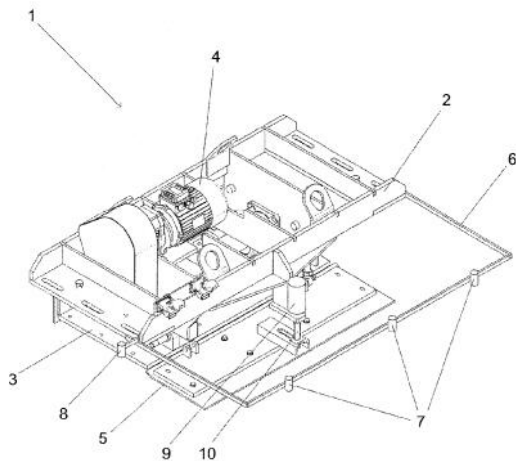
Address of Applicant :PL 33, FI-37801 TOIJALA. FINLAND

(72)Name of Inventor :

**1)RAUKOLA, LEENA**

(57) Abstract :

A method and an apparatus for casting concrete products with a substantially horizontal slipform casting process, where concrete mass is fed through a restricted cross-section defining the product to be cast, and which restricted cross-section moves progressively along with the casting process in relation to a casting bed, wherein the height of the cast product exiting the restricted cross-section is measured during the casting process, and the height and/or position of the leveling plate (5) of the upper surface of the restricted cross-section is adjusted during the casting process based on the height measure-ment of the cast product.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1343/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : METHOD FOR DISPLAYING APPLICATIONS AND ELECTRONIC DEVICE THEREOF.

(51) International classification

:B65H  
45/00

(31) Priority Document No

:10-2012-  
0135799

(32) Priority Date

:28/11/2012

(33) Name of priority country

:Republic  
of Korea

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SAMSUNG ELECTRONICS CO., LTD.**

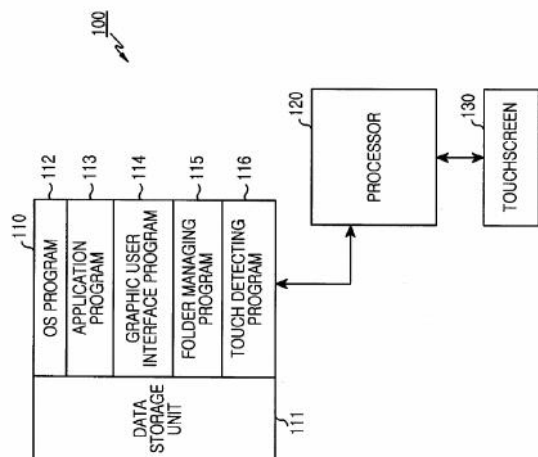
Address of Applicant :129,SAMSUNG-RO,YEONGTONG-  
GU,SUWON-SI,GYEONGGI-DO Republic of Korea

(72)Name of Inventor :

**1)YONG JOON JEON**

(57) Abstract :

A method controls an electronic device. The method includes detecting a folder display event. The method also includes, in response to detecting the event, displaying a folder and simultaneously displaying a quick menu window including at least one application included in the folder on an area adjacent to the folder without any input with respect to the folder.



No. of Pages : 45 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.195/KOL/2010 A

(19) INDIA

(22) Date of filing of Application :01/03/2010

(43) Publication Date : 30/05/2014

(54) Title of the invention : PROCESS FOR THE PREPARATION OF ATAZANAVIR SULFATE SUBSTANTIALLY FREE OF DIASTEREMERS

|                                               |              |                                                    |
|-----------------------------------------------|--------------|----------------------------------------------------|
| (51) International classification             | :A61K31/4418 | (71)Name of Applicant :                            |
| (31) Priority Document No                     | :NA          | <b>1)LUPIN LIMITED</b>                             |
| (32) Priority Date                            | :NA          | Address of Applicant :LUPIN LIMITED, 159 CST ROAD, |
| (33) Name of priority country                 | :NA          | KALINA, SANTACRUZ (EAST), MUMBAI-400 098, STATE    |
| (86) International Application No             | :NA          | OF MAHARASHTRA, INDIA AND ALSO HAVING A PLACE      |
| Filing Date                                   | :NA          | OF BUSINESS AT 1/1, SASHI SHEKHAR BOSE ROAD,       |
| (87) International Publication No             | : NA         | KOLKATA-700 025, STATE OF WEST BENGAL, INDIA.      |
| (61) Patent of Addition to Application Number | :NA          | (72)Name of Inventor :                             |
| Filing Date                                   | :NA          | <b>1)MAHAKAL, KUMODINI KASHINATH</b>               |
| (62) Divisional to Application Number         | :NA          | <b>2)SINGH, GURVINDER PAL</b>                      |
| Filing Date                                   | :NA          | <b>3)RAY, PURNA CHANDRA</b>                        |

(57) Abstract :

The present invention provides atazanavir sulfate substantially free of diastereomeric impurities. The present invention also provides atazanavir sulfate having D-tertiary leucine analogues less than 0.1%. The present invention further relates to an improved process for preparing atazanavir sulfate, substantially free of its diastereoisomeric impurities, which comprises of reacting diamino compound (IV) with N-methoxycarbonyl- (L)-tertiary-leucine (V) having D-isomer less than 0.1% to obtain atazanavir base; conversion of atazanavir base to atazanavir sulfate by reacting with sulfuric acid and crystallization of atazanavir sulfate from suitable organic solvent(s).

No. of Pages : 22 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1361/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date : 30/05/2014

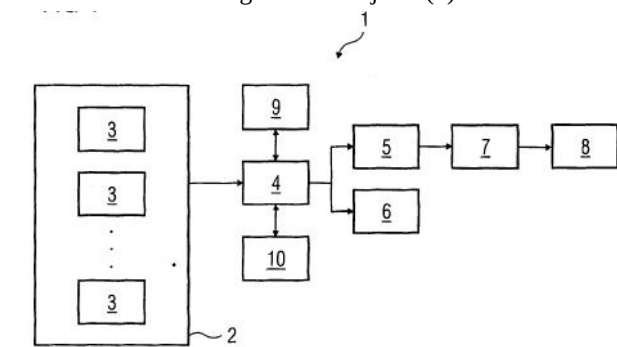
(54) Title of the invention : A SYSTEM AND A METHOD FOR PROCESSING POST SEGEMENTATION DATA OF A MEDICAL IMAGE

(51) International classification :G06T  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)SIEMENS AKTIENGESELLSCHAFT**  
Address of Applicant :WITTELSBACHERPLATZ 2 80333  
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(72)Name of Inventor :  
**1)YOGESH BATHINA**  
**2)AMIT KALE**  
**3)VENKATA SURYANARAYANA**

(57) Abstract :

A system (1) for processing post segmentation data (2) comprising segmented subjects (3) of a medical image includes a processor (4) which receives the post segmentation data (2) of the medical image, processes the post segmentation data (2) on a basis of a physical feature of segmented subjects, and categorizes the segmented subjects (3) into vessels (5) and non-vessels (6). The segmented subjects (6) are smallest units relevant for classifying the segmented subjects (3) into vessels (5) and non vessels (6). The physical features of the segmented subjects (3) are defined by visual characteristics of the segmented subjects (3) in the medical image which can create distinction between segmented subjects (3).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1353/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

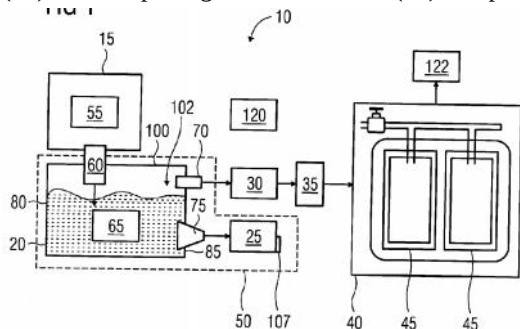
(43) Publication Date : 30/05/2014

(54) Title of the invention : SYSTEM FOR PRODUCING BIOGAS

|                                               |       |                                                  |
|-----------------------------------------------|-------|--------------------------------------------------|
| (51) International classification             | :C02F | (71)Name of Applicant :                          |
| (31) Priority Document No                     | :NA   | <b>1)SIEMENS AKTIENGESELLSCHAFT</b>              |
| (32) Priority Date                            | :NA   | Address of Applicant :WITTELSBACHERPLATZ 2 80333 |
| (33) Name of priority country                 | :NA   | MÜNCHEN GERMANY                                  |
| (86) International Application No             | :NA   | (72)Name of Inventor :                           |
| Filing Date                                   | :NA   | <b>1)SAUMITA KAMAL BANERJEE</b>                  |
| (87) International Publication No             | : NA  | <b>2)RAM SATISH KALURI</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 a system for producing biogas by anaerobic digestion of biodegradable material, wherein the system comprises a feeding unit (15) for receiving the biodegradable material and configured to homogenize the biodegradable material, a container (20) adapted to hold the biodegradable material for anaerobic digestion of the biodegradable material, the container (20) comprising an inlet port (60) connectable with the feed system (15) for receiving the homogenized biodegradable material, and an outlet port (70) adapted to discharge the biogas produced, and a gas storage assembly (40) in fluid communication with the container (20) and comprising at least one tank (45) comprising an adsorbent for adsorbing the biogas.



No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2012

(21) Application No.1354/KOL/2012 A

(43) Publication Date : 30/05/2014

(54) Title of the invention : AN IMPROVED PROCESS WITH INDIGENOUSLY DEVELOPED TOOL TO REDUCE THE PROCESS TIME FOR ROUGH MACHINING OF BLADE GROOVES IN HP SHAFT OF STEAM TURBINE ON CNC LATHE

|                                               |       |
|-----------------------------------------------|-------|
| (51) International classification             | :B23B |
| (31) Priority Document No                     | :NA   |
| (32) Priority Date                            | :NA   |
| (33) Name of priority country                 | :NA   |
| (86) International Application No             | :NA   |
| Filing Date                                   | :NA   |
| (87) International Publication No             | : NA  |
| (61) Patent of Addition to Application Number | :NA   |
| Filing Date                                   | :NA   |
| (62) Divisional to Application Number         | :NA   |
| Filing Date                                   | :NA   |

(71)Name of Applicant :

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(72)Name of Inventor :

**1)SANJAY GULATI**

**2)VINAY KISHORE**

**3)PRASHANT BAJPAI**

**4)SHYAM SUNDER SINGH MALL**

**5)GOPI CHAND**

**6)DINESH SINGH SHINDE**

(57) Abstract :

An improved process with indigenously developed tool to reduce the process time for rough machining of blade grooves in hp shaft of steam turbine on cnc lathe comprising incorporation of new cutting parameters on CNC lathe to perform rough machining of T-grooves on HP shaft. The improved tool is clamped in both upward and downward direction. Enormous supply of coolant is arranged to dissipate the heat and to have good finish of grooves. Two numbers per groove of plunge cut of the tool are introduced in the process for substantial savings of process time.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1165/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :09/10/2013

(43) Publication Date : 30/05/2014

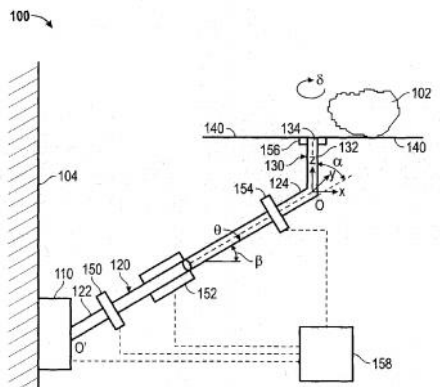
(54) Title of the invention : SYSTEMS AND METHODS FOR DETERMINING MASS PROPERTIES OF VEHICLE COMPONENTS

(51) International classification :G01F 1/00  
(31) Priority Document No :13/686,769  
(32) Priority Date :27/11/2012  
(33) Name of priority country :U.S.A.  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)GM GLOBAL TECHNOLOGY OPERATIONS LLC**  
Address of Applicant :300 GM RENAISSANCE CENTER,  
DETROIT, MICHIGAN 48265-3000, U.S.A.  
(72)Name of Inventor :  
**1)PANKAJ K. JHA**  
**2)PRAVEENKUMAR PANUGANTI**  
**3)MICHAEL D. NIENHUIS**

(57) Abstract :

A system for measuring a mass property of an object is provided. The system includes a first shaft having a first end and a second end and a table disposed in a first plane and coupled to the first shaft at a predetermined angle to support the object. The table is configured to pivot about an axis perpendicular to the first plane between at least a first pivot position and a second pivot position. The system further includes a torque sensor configured to collect a first torque measurement on the first shaft when the table is in the first pivot position and a second torque measurement on the first shaft when the table in the second pivot position.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1350/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :26/11/2012

(43) Publication Date : 30/05/2014

(54) Title of the invention : PHARMACEUTICAL COMPOSITION AND METHOD FOR INHIBITING INFLAMMATION

(51) International classification

:A61K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)CHINA MEDICAL UNIVERSITY**

Address of Applicant :NO. 91, HSUEH-SHIH ROAD,  
NORTH DISTRICT, TAICHUNG CITY, 40402, TAIWAN.

(72)Name of Inventor :

**1)FENG-HUEI LIN**

**2)TENG-LE HUANG**

**3)HORNG-CHAUNG HSU**

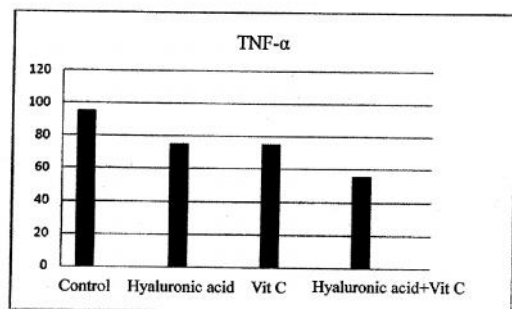
**4)CHUN-HSU YAO**

**5)YUEH-SHENG CHEN**

**6)WEN-YU SU**

(57) Abstract :

A pharmaceutical composition for inhibiting inflammation is provided. The pharmaceutical composition comprises (a) hyaluronic acid, (b) a vitamin and (c) a pharmaceutically acceptable carrier.



No. of Pages : 25 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2528/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/08/2013

(43) Publication Date : 30/05/2014

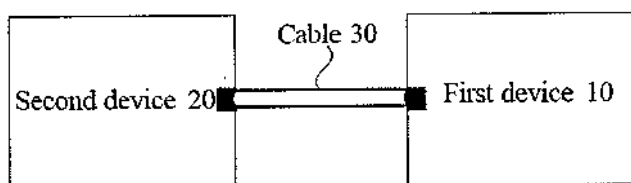
(54) Title of the invention : DEVICE INFORMATION BACKUP METHOD, DEVICE, AND SYSTEM

(51) International classification :G06F 11/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2012/085029  
Filing Date :22/11/2012  
(87) International Publication No :WO/2014/079012  
(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, P.R. CHINA.  
(72)**Name of Inventor :**  
**1)LI, JIANZHAO**  
**2)XIAO, AIJUN**  
**3)ZHENG, GUOLAN**

(57) Abstract :

Embodiments of the present invention disclose a device information backup method, device, and system for information backup between a first device and a second device. The first device and the second device are directly connected through a cable, and the first device acquires, from the second device through the cable, information to be backed up and back up the information to be backed up. In this way, information backup can be completed quickly and simply, and shortcomings of a poor reliability and a poor security of a pluggable storage medium are avoided.



No. of Pages : 39 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1338/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/05/2014

(54) Title of the invention : MOBILE APPARATUS DISPLAYING END EFFECT AND CONTROL METHOD THEREOF

(51) International classification

:G06F 3/00

(31) Priority Document No

:10-2012-0138444

(32) Priority Date

:30/11/2012

(33) Name of priority country

:Republic of Korea

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

**1)SAMSUNG ELECTRONICS CO., LTD.**

Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, REPUBLIC OF KOREA

(72)Name of Inventor :

**1)HO-YOUNG LEE**

**2)JEE-YEUN WANG**

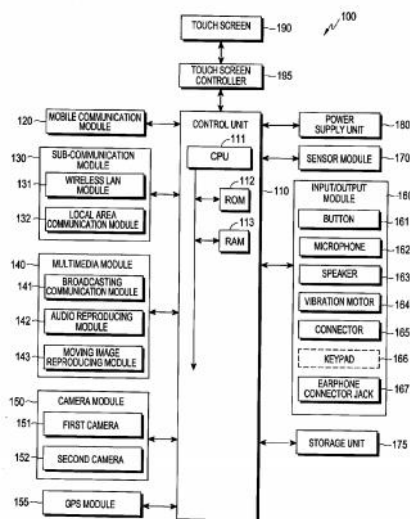
**3)JAE-MYOUNG LEE**

**4)CHUL-HO JANG**

**5)IN-WON JONG**

(57) Abstract :

A method of controlling a mobile apparatus to display an end effect is provided. The method includes displaying at least one object on a first layer on a touch screen, converting the at least one object in response to a first gesture that converts the at least one object, detecting that the conversion for the at least one object is ended, and displaying an end effect, which represents a message saying that the at least one object to be converted does not exist anymore or represents additional information, on the touch screen.



No. of Pages : 90 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION  
(19) INDIA

(21) Application No.1339/KOL/2013 A

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 30/05/2014

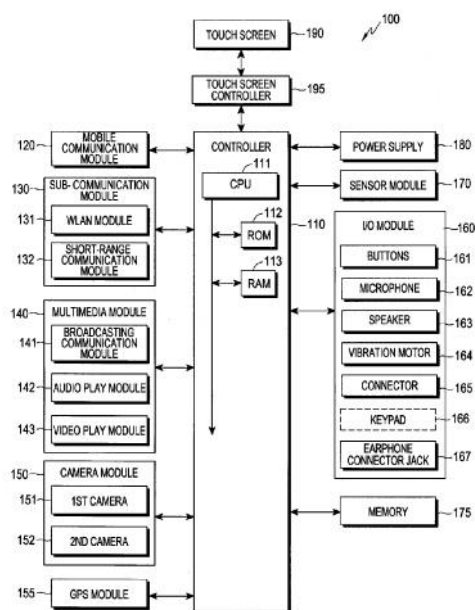
(54) Title of the invention : ELECTRONIC DEVICE FOR PROVIDING HOVERING INPUT EFFECTS AND METHOD FOR CONTROLLING THE SAME

(51) International classification :G06F 3/00  
(31) Priority Document No :10-2012-0138274  
(32) Priority Date :30/11/2012  
(33) Name of priority country :Republic of Korea  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)SAMSUNG ELECTRONICS CO., LTD.**  
Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, REPUBLIC OF KOREA  
(72)Name of Inventor :  
**1)YU-JIN LEE**  
**2)SUNG KWON**

(57) Abstract :

An electronic device for hovering input effects and a method for controlling the same are provided. The method includes displaying an input area on a display of the electronic device, sensing at least one of a position of an input means on the display and a height of the input means above the display, and displaying a hovering input effect, corresponding to a hovering input using the input means, in the input area.



No. of Pages : 69 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.264/KOL/2010 A

(19) INDIA

(22) Date of filing of Application :17/03/2010

(43) Publication Date : 30/05/2014

(54) Title of the invention : BIOREMCONS

|                                               |           |                                               |
|-----------------------------------------------|-----------|-----------------------------------------------|
| (51) International classification             | :C05B7/00 | (71)Name of Applicant :                       |
| (31) Priority Document No                     | :NA       | <b>1)PROF. BOLIN KUMAR KONWAR</b>             |
| (32) Priority Date                            | :NA       | Address of Applicant :DEPT. OF MBBT, TEZPUR   |
| (33) Name of priority country                 | :NA       | UNIVERSITY, NAPAAM, TEZPUR-784028 Assam India |
| (86) International Application No             | :NA       | (72)Name of Inventor :                        |
| Filing Date                                   | :NA       | <b>1)PROF. BOLIN KUMAR KONWAR</b>             |
| (87) International Publication No             | : NA      | <b>2)DR. NABA KUMAR BORDOLOI</b>              |
| (61) Patent of Addition to Application Number | :NA       |                                               |
| Filing Date                                   | :NA       |                                               |
| (62) Divisional to Application Number         | :NA       |                                               |
| Filing Date                                   | :NA       |                                               |

(57) Abstract :

The role of inorganic nutrients (Mineral Salt Medium: MSM) on the growth and multiplication of bacteria capable to degrade the crude oil which contaminated the cultivated soil was assessed. The bacterial consortium Bioremcons was formulated for the bioremediation of soil contaminated by spillages of crude oil. The bacterial consortium was prepared in one liter of MSM containing Urea2.0 g, FeS04.7H20 1.0 mg, (NH4) 2.S04 2.0 g, CuS04.7H20 50 µg, Na2HP04 3.60 g, H3B04 10.0 Ilg, KH2P04 1.8 g, MnS04.5H20 10.0 µg, Mg2S04.7H20 2.0 g, ZnS04.7H20 70.0 µg, CaCh.2H20 50.0 mg and M003 10.0 µg. The low concentraion of the nutrient elements not only helped in the enhancement of the bacterial growth but also their higher rate of multiplication. The medium was used as the carrier of the bacterial consortium inoculums. Following inoculation in the crude oil contaminated soil, the soil was tilled at 15 days interval and irrigated with the half strength MSM. This not only helped in the maintenance of soil humidity but also nutrient supply to the bacteria. Analysis of the bio-remediated soil revealed sulphate and phosphate to serve as the key electron acceptors in the microbial process. The observed morphological changes of bacterial strains involved in the consortium during the bio-degradation process revealed that the low strength of nutrient amendments dominated the bacterial growth rather than higher strength of elements in the medium at temperature of about 28°C and soil moisture 70-80%. The adaptation of bacteria belonging to the consortium appears to be controlled by temperature, humidity and nutrient level.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1348/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 30/05/2014

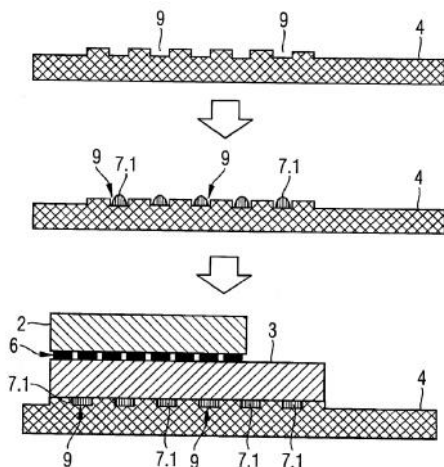
(54) Title of the invention : METHOD FOR PRODUCING AN ELECTRONIC COMPONENT OF SANDWICH-LIKE CONSTRUCTION,ELECTRONIC COMPONENT,DETECTOR ELEMENT AND RADIATION DETECTOR.

(51) International classification :B23P 15/00  
(31) Priority Document No :102012221988.9  
(32) Priority Date :30/11/2012  
(33) Name of priority country :Germany  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)SIEMENS AKTIENGESELLSCHAFT**  
Address of Applicant :WITTELSBACHERPLATZ 2 80333  
MÜNCHEN GERMANY  
(72)Name of Inventor :  
**1)MIGUEL LABAYEN DE INZA**  
**2)MARKUS SICKER**  
**3)JAN WREGE**

(57) Abstract :

Method for producing an electronic component of sandwich-like construction,electronic component, detector element and radiation detector The invention relates to a method for producing an electronic component (1) consisting of at least two functional layers (3, 4), wherein one of the functional layers (4) has channels (9) open towards the other functional layer, which channels (9) run inwards from one edge of the functional layer, and wherein an adhesive (7.1) which contacts the adjacent functional layers (3, 4) is located in at least one of the channels (9), and a hardening of the adhesive (7.1) is effected by introducing UV radiation (10) by way of the channels (9). Furthermore the invention also relates to an electronic component (1) having at least two adjacent functional layers (3, 4) adhesively bonded together in sandwich-like fashion, wherein at least one of the functional layers (3, 4) has channels (9) which extend inwards from at least one edge of the functional layer (3, 4) and an adhesive (7.1) hardened by UV radiation is arranged in said channels (9). The invention also includes a detector element of a radiation detector having such an electronic component (1), and a radiation detector having such a detector element.



No. of Pages : 27 No. of Claims : 25

## **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

| Serial Number | Patent Number | Application Number | Date of Application | Date of Priority | Title of Invention                                                                                      | Name of Patentee                               | Date of Publication of Abstract u/s 11(A) | Appropriate Office |
|---------------|---------------|--------------------|---------------------|------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------|--------------------|
| 1             | 189402        | 863/DEL/1994       | 11/07/1994          |                  | A PROCESS FOR THE PREPARATION OF A COMPOSITION USEFUL FOR COATING ON A NON-WOVEN FABRIC                 | THE CHIEF CONTROLLER OF RESEARCH & DEVELOPMENT |                                           | DELHI              |
| 2             | 189707        | 1628/DEL/1994      | 16/12/1994          |                  | A PROCESS FOR THE PREPARATION OF PERFORATED CERAMIC TILES                                               | CHIEF CONTROLLER RESEARCH & DEVELOPMENT        |                                           | DELHI              |
| 3             | 260826        | 5690/DELNP/2006    | 24/03/2005          | 26/03/2004       | A SERVER TERMINAL AND A METHOD OF COMMUNICATIONS ON A SERVER TERMINAL                                   | QUALCOMM INCORPORATED,                         | 15/06/2007                                | DELHI              |
| 4             | 260827        | 1471/DELNP/2006    | 27/09/2004          | 30/09/2003       | AN ENHANCED PASSIVE SCANNING METHOD AND SYSTEM FOR A WIRELESS LOCAL AREA NETWORK                        | MOTOROLA SOLUTIONS, INC.                       | 03/08/2007                                | DELHI              |
| 5             | 260829        | 10218/DELNP/2007   | 25/05/2006          | 09/06/2005       | TUBING BENDER AND METHOD                                                                                | THE GATES CORPORATION                          | 20/06/2008                                | DELHI              |
| 6             | 260831        | 6568/DELNP/2007    | 24/02/2006          | 25/02/2005       | A CATALYST COMPOSITION                                                                                  | W.R. GRACE & CO.-CONN.                         | 14/09/2007                                | DELHI              |
| 7             | 260834        | 529/DEL/2002       | 05/09/2002          | 04/05/2001       | A CONTROL VALVE SYSTEM AND A CIRCUIT FOR OPERATING THE SAME                                             | ROSS OPERATING VALVE COMPANY                   | 20/05/2005                                | DELHI              |
| 8             | 260839        | 9003/DELNP/2008    | 11/05/2007          | 24/05/2006       | PROCESS FOR MAKING A HYDROTHERMALLY STABLE ALUMINA ADSORBENT                                            | UOP LLC                                        | 27/03/2009                                | DELHI              |
| 9             | 260840        | 1967/DELNP/2009    | 03/12/2007          | 18/12/2006       | NEUTRALIZATION OF QUENCH STREAM IN A PROCESS FOR HANDLING CATALYST FROM AN OXYGENATE-TO-OLEFIN REACTION | UOP LLC                                        | 12/06/2009                                | DELHI              |
| 10            | 260843        | 920/DEL/2002       | 11/09/2002          | 18/10/2001       | DISK CARTRIDGE                                                                                          | SAMSUNG ELECTRONICS CO., LTD.                  | 21/01/2005                                | DELHI              |
| 11            | 260844        | 345/DELNP/2007     | 29/08/2005          | 02/09/2004       | AN APPARATUS COMPRISING A BUBBLE COLUMN REACTOR                                                         | GRUPO PETROTEMEX, S.A.DE.C.V.                  | 03/08/2007                                | DELHI              |
| 12            | 260846        | 2417/DELNP/2005    | 04/12/2003          | 06/12/2002       | A SYSTEM FOR REMOTE TUNING OVER A NETWORK AND METHOD THEREOF                                            | THOMSON LICENSING S.A.                         | 29/12/2006                                | DELHI              |



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|----|--------|------------------|---------------------|------------|----------------------------------------------------------------------------------|---------------------------------------------------------------|------------|-------|
| 13 | 260849 | 5127/DELNP/2007  | 09/12/2005          | 10/12/2004 | A METHOD OF AND A DEVICE FOR PRODUCING A LIQUID-SOLID METAL COMPOSITION          | MAGNUS WESSEN,HAIPING CAO                                     | 17/08/2007 | DELHI |
| 14 | 260851 | 3996/DELNP/2006  | 16/12/2004          | 16/12/2003 | METHODS AND COMPOSITIONS                                                         | RELEVARE AUST. PTY LTD.,                                      | 24/08/2007 | DELHI |
| 15 | 260852 | 2820/DEL/2008    | 12/12/2008 16:57:16 |            | IMPREGNATED ALUMINA NANOPARTICLES FOR DETOXIFICATION OF CHEMICAL CONTAMINANTS    | DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION | 20/08/2010 | DELHI |
| 16 | 260859 | 3515/DELNP/2007  | 29/12/2004          | 29/12/2004 | FUEL CELL ASSEMBLY HAVING LONG LIFE CHARACTERISTICS                              | UTC POWER CORPORATION,                                        | 31/08/2007 | DELHI |
| 17 | 260864 | 10497/DELNP/2008 | 08/06/2007          | 09/06/2006 | A METHOD FOR DETERMINING AN IMMORTALIZED CANCER CELL IN CANCER CELLS IN VITRO    | KABUSHIKI KAISHA YAKULT HONSHA                                | 20/03/2009 | DELHI |
| 18 | 260868 | 5613/DELNP/2007  | 17/01/2006          | 25/01/2005 | PROCESS FOR PREPARING CYCLOHEXANONE AND CYCLOHEXANOL                             | DSM IP ASSETS B.V.                                            | 17/08/2007 | DELHI |
| 19 | 260871 | 2780/DEL/2006    | 22/12/2006          | 09/06/2006 | FUEL-INJECTION SYSTEM FOR AN INTERNAL-COMBUSTION ENGINE                          | C.R.F. SOCIETA CONSORTILE PER AZIONI                          | 18/01/2008 | DELHI |
| 20 | 260876 | 176/DEL/2000     | 29/02/2000          |            | AN ATM SWITCH                                                                    | CENTRE FOR DEVELOPMENT OF TELEMATICS                          | 03/06/2005 | DELHI |
| 21 | 260877 | 2068/DEL/1996    | 20/09/1996          | 06/10/1995 | AN IRON HAVING A SOLEPLATE                                                       | BLACK & DECKER INC.                                           | 14/10/2005 | DELHI |
| 22 | 260882 | 1057/DELNP/2007  | 29/08/2005          | 02/09/2004 | OPTIMIZED LIQUID-PHASE OXIDATION                                                 | GRUPO PETROTEMEX, S.A. DE C.V.                                | 03/08/2007 | DELHI |
| 23 | 260885 | 3470/DEL/2005    | 26/12/2005          |            | A Composition for Baked Millet Flour Products                                    | DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION | 02/10/2009 | DELHI |
| 24 | 260887 | 5524/DELNP/2007  | 15/12/2005          | 17/12/2004 | COMMUNICATION RELAY DEVICE , INFORMATION PROCESSING SYSTEM AND CONTROL METHOD    | INTERNATIONAL BUSINESS MACHINES CORPORATION                   | 17/08/2007 | DELHI |
| 25 | 260889 | 1343/DEL/2006    | 05/06/2006          |            | AN AXIAL FLOW SEED THRESHER                                                      | CHAUDHARY CHARAN SINGH HARYANA AGRICULTURAL UNIVERSITY        | 14/12/2007 | DELHI |
| 26 | 260891 | 10181/DELNP/2008 | 25/06/2007          | 26/06/2006 | METHODS OF REPAIRING POLYMER-ORGANOCLAYCOMPOSITES AND ARTICLES DERIVED THEREFROM | SABIC INNOVATIVE PLASTICS IP B.V                              | 27/03/2009 | DELHI |
| 27 | 260892 | 5701/DELNP/2007  | 19/12/2005          | 21/12/2004 | TRANSGENIC PLANTS WITH ENHANCED AGRONOMIC TRAITS                                 | MONSANTO TECHNOLOGY,LLC                                       | 17/08/2007 | DELHI |

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|----|--------|-----------------|------------|------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------|-------|
| 28 | 260893 | 4169/DELNP/2006 | 09/02/2005 | 13/02/2004 | POWER CONSUMPTION CONTROLLED TRANSMITTER                                                                  | THOMSON LICENSING                                                            | 13/07/2007 | DELHI |
| 29 | 260899 | 4819/DELNP/2006 | 22/02/2005 | 23/02/2004 | SELECTION OF CODING MODEL EXCITATION FOR AN AUDIO SIGNAL                                                  | NOKIA CORPORATION                                                            | 10/08/2007 | DELHI |
| 30 | 260901 | 2601/DELNP/2006 | 16/11/2004 | 17/11/2003 | ENCAPSULATION OF DIVERSE PROTOCOLS OVER INTERNAL INTERFACE OF DISTRIBUTED RADIO BASE STATION              | TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)                                      | 24/08/2007 | DELHI |
| 31 | 260904 | 2039/DELNP/2006 | 28/11/2003 | 31/10/2003 | METHOD OF INTERFERENCE CANCELLATION IN RADIO COMMUNICATION SIGNALS AND A SIGNAL PROCESSING DEVICE THEREOF | TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)                                      | 22/06/2007 | DELHI |
| 32 | 260907 | 6189/DELNP/2006 | 14/03/2005 | 05/05/2004 | SPRAY HEAD FOR ATOMIZING A MEDIUM                                                                         | BOEHRINGER INGELHEIM MICROPARTS GMBH                                         | 06/11/2009 | DELHI |
| 33 | 260908 | 1797/DELNP/2008 | 07/11/2005 | 07/11/2005 | METHOD AND APPARATUS FOR IMPROVING INTERACTIVITY AND/OR SPEECH QUALITY                                    | TELEFONAKTIEBOLAG ET LM ERICSSON (PUBL)                                      | 04/07/2008 | DELHI |
| 34 | 260935 | 4519/DELNP/2006 | 21/02/2005 | 02/03/2004 | METHOD FOR CODING AND DECODING AN IMAGE SEQUENCE ENCODED WITH SPATIAL AND TEMPORAL SCALABILITY            | THOMSON LICENSING                                                            | 24/08/2007 | DELHI |
| 35 | 260937 | 6516/DELNP/2008 | 02/02/2007 | 03/02/2006 | TISSUE-ADHESIVE MATERIALS                                                                                 | TISSUEMED LIMITED                                                            | 24/10/2008 | DELHI |
| 36 | 260938 | 5772/DELNP/2005 | 09/06/2004 | 10/06/2003 | A TELECOMMUNICATION NETWORK, A CONNECTING DEVICE AND A METHOD FOR TRANSMITTING DATA THEREOF               | NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAP PELIJK ONDERZOEK TNO | 09/05/2008 | DELHI |
| 37 | 260942 | 3835/DELNP/2005 | 03/03/2004 | 21/03/2003 | METHODS OF POLYMERIZING OLEFIN MONOMERS WITH MIXED CATALYST SYSTEMS                                       | UNIVATION TECHNOLOGIES, LLC.,                                                | 17/08/2007 | DELHI |
| 38 | 260945 | 1840/DEL/2004   | 27/09/2004 | 03/10/2003 | CONJUGATED DIENAMIDES, METHOD OF PRODUCTION THEREOF, COMPOSITIONS CONTAINING SAME AND USES THEREOF        | INTERNATIONAL FLAVORS & FRAGRANCES INC                                       | 22/09/2006 | DELHI |
| 39 | 260946 | 1673/DELNP/2009 | 27/09/2007 | 03/10/2006 | AQUEOUS METALLIC COATING COMPOSITION AND METHOD FOR FORMING A MULTILAYER COATING FILM                     | KANSAI PAINT CO., LTD.                                                       | 15/05/2009 | DELHI |

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|----|--------|----------------------|------------------------|------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------|-------|
| 40 | 260948 | 1342/DEL/2006        | 05/06/2006<br>15:56:29 |            | LEAD CONTAINING<br>NOVEL POLYACRYLATE<br>FOR OPTICAL<br>APPLICATIONS                                         | SHRIRAM INSTITUTE<br>FOR INDUSTRIAL<br>RESEARCH         | 14/12/2007 | DELHI |
| 41 | 260950 | 7788/DELNP/20<br>07  | 16/03/2006             | 17/03/2005 | PROCESS FOR<br>PRODUCTION OF<br>GLUCOPYRANOSYLOXYP<br>YRAZOLE DERIVATIVE                                     | KISSEI<br>PHARMACEUTICAL<br>CO., LTD.                   | 09/11/2007 | DELHI |
| 42 | 260951 | 6236/DELNP/20<br>07  | 23/02/2006             | 25/02/2005 | BOROXINE DERIVATIVE<br>AS FLAME RETARDANT                                                                    | HUNTSMAN<br>ADVANCED<br>MATERIALS<br>(SWITZERLAND) GMBH | 31/08/2007 | DELHI |
| 43 | 260952 | 5379/DELNP/20<br>07  | 09/01/2006             | 12/01/2005 | HEAT STABILIZED<br>MOULDING<br>COMPOSITION                                                                   | DSM IP ASSETS B.V.                                      | 31/08/2007 | DELHI |
| 44 | 260953 | 10061/DELNP/2<br>008 | 22/05/2007             | 23/05/2006 | METHOD FOR PREPARING<br>NYLON MICROSPHERES<br>AND NYLON<br>MICROSPHERES<br>PREPARED THEREBY                  | SHANGHAI GENIUS<br>ADVANCED MATERIAL<br>CO. LTD.        | 22/05/2009 | DELHI |
| 45 | 260954 | 232/DEL/2005         | 04/02/2005             | 19/03/2004 | ACOUSTIC RADIATING<br>USING A WAVEGUIDE<br>APPARATUS                                                         | BOSE CORPORATION                                        | 31/07/2009 | DELHI |
| 46 | 260955 | 60/DELNP/2008        | 26/06/2006             | 29/06/2005 | SOFT BLACKPLATES FOR<br>TINNING AND<br>PRODUCTION METHOD<br>FOR THE SAME                                     | BAOSHAN IRON &<br>STEEL CO.,LTD                         | 11/07/2008 | DELHI |
| 47 | 260956 | 508/DELNP/2008       | 17/07/2006             | 20/07/2005 | ACID DYE COMPOSITION                                                                                         | CLARIANT FINANCE (BVI)<br>LIMITED                       | 08/08/2008 | DELHI |
| 48 | 260959 | 2797/DELNP/2004      | 25/03/2003             | 26/03/2002 | A METHOD FOR AN IP<br>COMMUNICATION SYSTEM<br>SUPPORTING IPV6<br>ADDRESSING SCHEME AND<br>A ROUTER THEREOF   | TELEFONAKTIEBOLAGET<br>LM ERICSSON                      | 09/10/2009 | DELHI |
| 49 | 260960 | 1318/DEL/2004        | 16/07/2004             |            | A METHOD OF MATERIAL<br>JOINING TECHNIQUE FOR<br>AN ELECTRICALLY<br>CONDUCTIVE PURE<br>NICKEL TAB            | BHARAT HEAVY<br>ELECTRICALS LIMITED                     | 19/06/2009 | DELHI |
| 50 | 260961 | 2801/DELNP/20<br>04  | 27/03/2003             | 02/04/2002 | AN ARRANGEMENT FOR<br>PHASE LOCKING OF A<br>VOLTAGE CONTROLLED<br>OSCILLATOR AND A<br>METHOD THEREFORE       | TELEFONAKTIEBOLAG<br>ET LM ERICSSON                     | 02/10/2009 | DELHI |
| 51 | 260963 | 8552/DELNP/20<br>07  | 11/04/2006             | 11/04/2005 | PROCESS OF<br>MANUFACTURING VIRAL<br>VACCINES IN<br>SUSPENSION AVIAN<br>EMBRYONIC DERIVED<br>STEM CELL LINES | VIVALIS                                                 | 27/06/2008 | DELHI |
| 52 | 260964 | 9510/DELNP/20<br>07  | 09/06/2006             | 14/06/2005 | MULTILAYERED<br>POLYMERIC CORROSION<br>PROTECTION COATING<br>WITH IMPROVED<br>PROPERTIES                     | BASELL POLYOLEFINE<br>GMBH,MULHEIM<br>PIPECOATINGS GMBH | 27/06/2008 | DELHI |

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| 53 | 260967 | 2404/DELNP/2007 | 23/09/2005 | 23/09/2004 | COMPRESSION GARMENT FOR CLOTHING A BODY PART                                             | SKIN COMPRESSION GARMENTS PTY. LIMITED     | 03/08/2007 | DELHI |
| 54 | 260968 | 2664/DELNP/2007 | 20/09/2005 | 20/09/2004 | METHODS AND COMPOSITIONS FOR FINING BEVERAGES                                            | CUB PTY LTD                                | 03/08/2007 | DELHI |
| 55 | 260970 | 7361/DELNP/2007 | 09/03/2006 | 23/03/2005 | CHROMOPHORE COATED METAL OXIDE PARTICLES                                                 | DSM IP ASSETS B. V.                        | 09/11/2007 | DELHI |
| 56 | 260971 | 254/DEL/2008    | 29/01/2008 | 09/03/2007 | WASHING TOWER FOR A FLUE GAS PURIFICATION PLANT                                          | ENVIROSERV GMBH                            | 12/09/2008 | DELHI |
| 57 | 260973 | 548/DEL/2005    | 14/03/2005 | 25/03/2004 | CENTER CLAMP                                                                             | WENDT GMBH                                 | 12/01/2007 | DELHI |
| 58 | 260974 | 2738/DELNP/2004 | 20/11/2002 | 27/03/2002 | METHOD APPARATUS AND PROGRAM PRODUCTS FOR WIRELESS ACCESS POINTS.                        | INTERNATIONAL BUSINESS MACHINE CORPORATION | 13/11/2009 | DELHI |
| 59 | 260975 | 4408/DELNP/2007 | 29/11/2004 | 11/11/2004 | AN ELECTRICAL BUS SYSTEM                                                                 | BEIJING DIANBA TECHNOLOGY CO. LTD          | 24/08/2007 | DELHI |
| 60 | 260985 | 3272/DELNP/2004 | 21/05/2003 | 24/05/2002 | A METHOD FOR REPAIRING A PROTECTIVE LINING OF AN INDUSTRIAL REACTION OR TRANSPORT VESSEL | SPECIALTY MINERALS MICHIGAN INC.           | 09/10/2009 | DELHI |

## **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

| Serial Number | Patent Number | Application Number | Date of Application | Date of Priority | Title of Invention                                                          | Name of Patentee                                                               | Date of Publication of Abstract u/s 11(A) | Appropriate Office |
|---------------|---------------|--------------------|---------------------|------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------|--------------------|
| 1             | 260821        | 413/MUMNP/2010     | 04/09/2008          | 17/09/2007       | STEVIOI GLYCOSIDE ISOMERS                                                   | PEPSICO INC.                                                                   | 23/07/2010                                | MUMBAI             |
| 2             | 260822        | 2347/MUM/2008      | 04/11/2008          |                  | NOVEL EXTENDED RELEASE FORMULATIONS OF LEVETIRACETAM                        | MACLEODS PHARMACEUTICALS LIMITED                                               | 06/08/2010                                | MUMBAI             |
| 3             | 260824        | 800/MUMNP/2009     | 22/10/2007          | 23/10/2006       | PROCESS FOR PREPARING 5-ALKYL-7H-PYRROLO[2,3-D]PYRIMIDINE-2-OLS             | LEXICON PHARMACEUTICALS INC.                                                   | 22/05/2009                                | MUMBAI             |
| 4             | 260830        | 606/MUMNP/2008     | 27/09/2006          | 27/09/2005       | MODE SELECTION TECHNIQUES FOR MULTIMEDIA CODING                             | QUALCOMM INCORPORATED                                                          | 26/06/2009                                | MUMBAI             |
| 5             | 260836        | 180/MUMNP/2009     | 26/07/2007          | 08/08/2006       | ROLL-TO-ROLL VACUUM DEPOSITION APPARATUS                                    | ULVAC INC                                                                      | 15/05/2009                                | MUMBAI             |
| 6             | 260845        | 2631/MUMNP/2008    | 16/05/2007          | 19/05/2006       | MAGNETIC-INDUCTIVE FLOW METER                                               | ENDRESS+HAUSER FLOWTEC AG                                                      | 13/03/2009                                | MUMBAI             |
| 7             | 260848        | 780/MUM/2008       | 03/04/2008 09:41:19 | 05/04/2007       | AUTOMATIC TEST GENERATION FOR REFERENCE TESTING                             | ACCENTURE GLOBAL SERVICES LIMITED                                              | 13/08/2010                                | MUMBAI             |
| 8             | 260850        | 827/MUMNP/2008     | 18/10/2006          | 18/10/2005       | SELECTIVE DEBLOCK FILTERING TECHNIQUES FOR VIDEO CODING                     | QUALCOMM INCORPORATED                                                          | 05/09/2008                                | MUMBAI             |
| 9             | 260853        | 709/MUMNP/2008     | 25/10/2006          | 25/10/2005       | A REGISTRY SERVER,SYSTEM & METHOD FOR ACCESSING TELECOMMUNICATION DEVICE    | QUALCOMM INCORPORATED                                                          | 05/09/2008                                | MUMBAI             |
| 10            | 260857        | 1712/MUMNP/2007    | 11/04/2006          | 11/04/2005       | A METHOD AND INTEGRATED CIRCUIT FOR ISSUING A NEXT INSTRUCTION OF A PROGRAM | QUALCOMM INCORPORATED                                                          | 30/11/2007                                | MUMBAI             |
| 11            | 260858        | 518/MUM/2008       | 13/03/2008 16:19:07 |                  | A PROCESS FOR PREPARATION OF RAMIPRIL                                       | IPCA LABORATORIES LIMITED                                                      | 16/10/2009                                | MUMBAI             |
| 12            | 260860        | 787/MUMNP/2010     | 09/11/2007          | 22/10/2007       | GENE FOR IMPROVING SALT TOLERANCE AND DROUGHT TOLERANCE OF PLANT            | BIOTECHNOLOGY RESEARCH INSTITUTE, THE CHINESE ACADEMY OF AGRICULTURAL SCIENCES | 27/08/2010                                | MUMBAI             |

|    |        |                 |                     |            |                                                                                   |                                                                                                               |            |        |
|----|--------|-----------------|---------------------|------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------|--------|
| 13 | 260861 | 1155/MUMNP/2007 | 12/01/2006          | 13/01/2005 | SPREAD SPECTRUM SIGNAL                                                            | CENTRE NATIONAL D'ETUDES SPATIALES                                                                            | 15/08/2008 | MUMBAI |
| 14 | 260862 | 1897/MUMNP/2008 | 19/03/2007          | 20/03/2006 | RESOURCE ALLOCATION TO SUPPORT SINGLE-USER AND MULTI-USER MIMO TRANSMISSIONS      | QUALCOMM INCORPORATED                                                                                         | 19/12/2008 | MUMBAI |
| 15 | 260863 | 2353/MUMNP/2008 | 03/05/2007          | 05/05/2006 | ANAEROBIC DIGESTER SYSTEM FOR ANIMAL WASTE STABILIZATION AND BIOGAS RECOVERY      | THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE ADMINISTRATOR OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY | 06/03/2009 | MUMBAI |
| 16 | 260888 | 1246/MUMNP/2008 | 11/01/2007          | 11/01/2006 | TRANSFORMS WITH COMMON FACTORS                                                    | QUALCOMM INCORPORATED                                                                                         | 12/09/2008 | MUMBAI |
| 17 | 260905 | 364/MUMNP/2008  | 31/08/2006          | 02/09/2005 | AUTOMATICALLY STANDBY POWER CUT-OFF PLUG SOCKET                                   | KIM, SUN-YOUNG                                                                                                | 07/03/2008 | MUMBAI |
| 18 | 260912 | 1054/MUM/2008   | 16/05/2008 15:42:52 | 17/05/2007 | ACCESS TERMINAL PAGING IMPROVEMENTS                                               | VIA TELECOM CO., LTD                                                                                          | 01/08/2008 | MUMBAI |
| 19 | 260916 | 1791/MUMNP/2007 | 17/05/2006          | 18/05/2005 | IMPROVED NANOBOBIES AGAINST TUMOR NECROSIS FACTOR - ALPHA                         | ABLYNX N.V.                                                                                                   | 21/12/2007 | MUMBAI |
| 20 | 260920 | 1439/MUMNP/2006 | 28/04/2005          | 30/04/2004 | AN AIR FILTER CATRIDGE ARRANGEMENT                                                | DONALDSON COMPANY, INC.                                                                                       | 18/05/2007 | MUMBAI |
| 21 | 260924 | 1449/MUMNP/2008 | 13/01/2007          | 17/01/2006 | RING SPINNING FRAME COMPRISING A TRAVELLING CLEANER AND A LINT REMOVING MECHANISM | OERLIKON TEXTILE GMBH & CO. KG.                                                                               | 10/10/2008 | MUMBAI |
| 22 | 260925 | 2497/MUMNP/2008 | 21/05/2007          | 20/11/2008 | COMPOSITIONS AND METHODS FOR THE DELIVERY OF OXYGEN                               | THE REGENTS OF THE UNIVERSITY OF CALIFORNIA                                                                   | 17/07/2009 | MUMBAI |
| 23 | 260928 | 2266/MUMNP/2008 | 30/03/2007          | 30/03/2006 | AMINO ACID SURROGATES FOR PEPTIDES CONSTRUCTS                                     | PALATIN TECHNOLOGIES, INC.                                                                                    | 20/02/2009 | MUMBAI |
| 24 | 260929 | 1858/MUMNP/2008 | 07/02/2007          | 10/03/2006 | METHOD TO ASSESS SURFACTANT ADSORPTION ON SKIN                                    | HINDUSTAN UNILEVER LIMITED                                                                                    | 13/02/2009 | MUMBAI |
| 25 | 260930 | 1468/MUMNP/2009 | 11/02/2008          | 09/02/2007 | MULTIMERIC CONJUGATE                                                              | SCIL PROTEINS GMBH                                                                                            | 06/11/2009 | MUMBAI |
| 26 | 260931 | 459/MUM/2004    | 15/04/2004          |            | PROCESS FOR PREPARING AMORPHOUS FROM OF ROSUVASTATIN CALCIUM                      | CADILA HEALTHCARE LIMITED                                                                                     | 27/04/2007 | MUMBAI |
| 27 | 260934 | 510/MUM/2006    | 03/04/2006          | 22/06/2005 | WAXING DEVICE FOR A TEXTILE MACHINE PRODUCING CROSS-WOUND BOBBINS                 | OERLIKON TEXTILE GMBH & CO. KG.                                                                               | 15/08/2008 | MUMBAI |

|    |        |                 |            |            |                                                                                                       |                                        |            |        |
|----|--------|-----------------|------------|------------|-------------------------------------------------------------------------------------------------------|----------------------------------------|------------|--------|
| 28 | 260944 | 1481/MUMNP/2006 | 28/04/2005 | 06/05/2004 | CHANNEL ALLOCATION METHOD FOR ASYNCHRONOUS MOBILE COMMUNICATION SYSTEM                                | SK TELECOM CO., LTD                    | 08/06/2007 | MUMBAI |
| 29 | 260947 | 394/MUMNP/2008  | 10/08/2006 | 10/08/2005 | METHOD AND APPARATUS FOR SIMULTANEOUS COMMUNICATION UTILIZING MULTIPLE WIRELESS COMMUNICATION SYSTEMS | QUALCOMM INCORPORATED                  | 26/06/2009 | MUMBAI |
| 30 | 260958 | 1491/MUM/2005   | 02/12/2005 |            | A HIGH PERFORMANCE AUTHENTICATION SERVER                                                              | TATA CONSULTANCY SERVICES LTD          | 14/12/2007 | MUMBAI |
| 31 | 260966 | 632/MUM/2006    | 21/04/2006 |            | A CONNECTOR ELEMENT FOR SPACE FRAME                                                                   | PATIL NITIN NAGESH,PATIL NILESH NAGESH | 22/02/2008 | MUMBAI |
| 32 | 260972 | 659/MUMNP/2008  | 27/09/2006 | 27/09/2005 | METHOD AND APPARATUS FOR CARRIER ALLOCATION AND MANAGEMENT IN MULTI-CARRIER COMMUNICATION SYSTEMS     | QUALCOMM INCORPORATED                  | 09/05/2008 | MUMBAI |

## **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

| Serial Number | Patent Number | Application Number | Date of Application | Date of Priority | Title of Invention                                                                                                                                                   | Name of Patentee                       | Date of Publication of Abstract u/s 11(A) | Appropriate Office |
|---------------|---------------|--------------------|---------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------|--------------------|
| 1             | 260841        | 2742/CHENP/2005    | 24/03/2004          | 25/03/2003       | METHOD OF MANUFACTURING A SORBENT AND SELECTIVELY BINDING A SUBSTRATE TO THE SAME                                                                                    | instrAction GmbH                       | 27/07/2007                                | CHENNAI            |
| 2             | 260847        | 2382/CHENP/2007    | 15/09/2005          | 03/12/2004       | METHOD OF MAKING GLASS MICROBUBBLES AND RAW PRODUCT                                                                                                                  | 3M INNOVATIVE PROPERTIES COMPANY       | 07/09/2007                                | CHENNAI            |
| 3             | 260854        | 886/CHENP/2008     | 22/08/2006          | 22/08/2005       | STABILISING MEANS                                                                                                                                                    | Technology Investment Company Pty Ltd. | 28/11/2008                                | CHENNAI            |
| 4             | 260855        | 2437/CHENP/2007    | 07/12/2005          | 08/12/2004       | DRIVE BELT FOR A TRANSMISSION WITH CONVEX PULLEY SHEAVES                                                                                                             | ROBERT BOSCH GmbH                      | 07/09/2007                                | CHENNAI            |
| 5             | 260856        | 2089/CHENP/2007    | 04/11/2005          | 15/11/2004       | COMPOSITE SEMIPERMEABLE MEMBRANE, PRODUCTION PROCESS THEREOF, AND ELEMENT, FLUID SEPARATION EQUIPMENT AND TREATMENT METHOD FOR BORON-CONTAINING WATER USING THE SAME | TORAY INDUSTRIES, INC                  | 07/09/2007                                | CHENNAI            |
| 6             | 260865        | 3023/CHENP/2007    | 05/01/2006          | 07/01/2005       | LAMINATE OF THERMOPLASTIC FILM MATERIALS EXHIBITING THROUGHGOING POROSITY                                                                                            | RASMUSSEN , OLE-BENDT                  | 07/09/2007                                | CHENNAI            |
| 7             | 260866        | 228/CHENP/2004     | 05/07/2002          | 05/07/2001       | A FENCING                                                                                                                                                            | VESTERGAARD FRANDSEN SA                | 04/03/2005                                | CHENNAI            |
| 8             | 260867        | 3102/CHENP/2004    | 26/07/2003          | 26/09/2002       | A METHOD OF MANUFACTURING AN ECCENTRIC POLYESTER-POLYETHYLENE-BICOMPONENT FIBRE                                                                                      | TREVIRA GMBH                           | 17/02/2006                                | CHENNAI            |
| 9             | 260869        | 2126/CHENP/2007    | 17/11/2004          | 17/11/2004       | MECHANICAL DISC BRAKING ASSEMBLY                                                                                                                                     | PAULSEN, BRIAN, ANTHONY                | 07/09/2007                                | CHENNAI            |



|    |        |                 |                     |            |                                                                                                                   |                                                    |            |         |
|----|--------|-----------------|---------------------|------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------|---------|
| 10 | 260870 | 1374/CHENP/2007 | 14/09/2005          | 04/10/2004 | DRIVE MECHANISM FOR A DRUG DELIVERY DEVICE                                                                        | SANOFI-AVENTIS DEUTSCHLAND GMBH,TERUMO CORPORATION | 31/08/2007 | CHENNAI |
| 11 | 260875 | 422/CHE/2004    | 07/05/2004          |            | A COMBINATION LATCH MEANT TO MAKE THE FASTENING SYSTEM PERTAINING TO DOORS MUCH SAFER AND STRONGER                | NEETHALA MITTU                                     | 17/03/2006 | CHENNAI |
| 12 | 260879 | 2779/CHENP/2007 | 13/12/2005          | 23/12/2004 | ZEOLITIC CATALYST WITH A CONTROLLED DOPING ELEMENT CONTENT, AND IMPROVED PROCESS FOR PROCESSING HYDROCARBON FEEDS | INSTITUT FRANCAIS DU PETROLE                       | 12/10/2007 | CHENNAI |
| 13 | 260883 | 1982/CHE/2008   | 14/08/2008          | 21/08/2007 | AN APPARATUS AND A METHOD FOR COLLECTING AND REDISTRIBUTING A FLOW OF LIQUID DESCENDING IN AN EXCHANGE COLUMN     | AIR PRODUCTS AND CHEMICALS,INC,                    | 21/08/2009 | CHENNAI |
| 14 | 260884 | 646/CHE/2008    | 14/03/2008 16:07:44 | 16/03/2007 | SLIDE FASTENER SLIDER                                                                                             | YKK CORPORATION                                    | 11/09/2009 | CHENNAI |
| 15 | 260886 | 6175/CHENP/2008 | 12/04/2007          | 13/04/2006 | TAURINE TRANSPORTER GENE                                                                                          | CHUGAI SEIYAKU KABUSHIKI KAISHA                    | 27/03/2009 | CHENNAI |
| 16 | 260890 | 1421/CHENP/2007 | 08/09/2005          | 08/09/2004 | MORPHOLINE COMPOUND                                                                                               | MITSUBISHI TANABE PHARMA CORPORATION               | 31/08/2007 | CHENNAI |
| 17 | 260902 | 3108/CHENP/2007 | 13/01/2006          | 14/01/2005 | HETEROARYL SULFONAMIDES FOR CCR2 MEDIATED CONDITIONS                                                              | CHEMOCENTRYX, INC                                  | 07/09/2007 | CHENNAI |
| 18 | 260906 | 806/CHE/2005    | 27/06/2005          | 29/06/2004 | METHODS FOR OPTICAL FIBER MANUFACTURE                                                                             | FURUKAWA ELECTRIC NORTH AMERICA INC.               | 27/07/2007 | CHENNAI |
| 19 | 260909 | 3383/CHENP/2009 | 15/11/2007          | 15/11/2006 | COLLAGEN PEPTIDE COMPOSITION AND FOOD OR BEVERAGE CONTAINING THE SAME                                             | MEIJI CO., LTD                                     | 13/04/2012 | CHENNAI |
| 20 | 260915 | 272/CHENP/2008  | 16/06/2006          | 17/06/2005 | METHODS OF PURIFYING ANTI A BETA ANTIBODIES                                                                       | WYETH LLC,JANSSEN ALZHEIMER IMMUNOTHERAPY          | 19/09/2008 | CHENNAI |
| 21 | 260918 | 1741/CHENP/2007 | 25/10/2005          | 25/10/2004 | REACTIVE COLOR INKS                                                                                               | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P           | 31/08/2007 | CHENNAI |
| 22 | 260926 | 1286/CHENP/2007 | 27/09/2005          | 28/09/2004 | POLYETHYLENE GLYCOL COMPOUNDS AND PROCESS FOR MAKING                                                              | DOW GLOBAL TECHNOLOGIES INC                        | 31/08/2007 | CHENNAI |

|    |        |                 |                        |            |                                                                                                                    |                                                              |            |         |
|----|--------|-----------------|------------------------|------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------|---------|
| 23 | 260927 | 2988/CHENP/2008 | 14/12/2006             | 15/12/2005 | METHOD FOR SELECTIVELY PRODUCING PRIMARY AMINE COMPOUND                                                            | SUMITOMO CHEMICAL COMAPANY LIMITED                           | 06/03/2009 | CHENNAI |
| 24 | 260933 | 2148/CHENP/2007 | 18/11/2005             | 18/11/2004 | METHOD OF CONTACT COATING A MICRONEEDLE ARRAY                                                                      | 3M INNOVATIVE PROPERTIES COMPANY                             | 07/09/2007 | CHENNAI |
| 25 | 260949 | 1390/CHE/2008   | 09/06/2008<br>14:44:58 |            | A HANDS-FREE DEVICE ENABLING THE DISABLED TO TURN THE PAGES OF A BOOK WHILE READING                                | INDIAN INSTITUTE OF TECHNOLOGY                               | 18/12/2009 | CHENNAI |
| 26 | 260962 | 2224/CHENP/2007 | 14/11/2005             | 23/11/2004 | PROCESS FOR THE PREPARATION OF ACYLPHOSPHANES OR BISACYLPHOSPHANES                                                 | CIBA HOLDING INC                                             | 07/09/2007 | CHENNAI |
| 27 | 260965 | 3053/CHENP/2007 | 25/11/2005             | 10/12/2004 | ORALLY DISPERSIBLE PHARMACEUTICAL COMPOSITION AND PROCESS FOR THE PREPARATION THEREOF                              | AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO A.C.R.A.F. S.p.A | 07/09/2007 | CHENNAI |
| 28 | 260976 | 2532/CHE/2007   | 05/11/2007             |            | A METHOD FOR RESERVING A MULTI-FUNCTIONAL PERIPHERAL                                                               | SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED       | 11/09/2009 | CHENNAI |
| 29 | 260978 | 1765/CHENP/2007 | 30/11/2005             | 01/12/2004 | METHOD PERFORMED BY A PROCESSING SYSTEM FOR REMOVING ARTIFACTS FROM A DIGITAL VIDEO                                | HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.                    | 31/08/2007 | CHENNAI |
| 30 | 260980 | 1357/CHE/2005   | 26/09/2005             | 27/09/2004 | METHOD AND APPARATUS FOR GENERATING A CHANNEL ESTIMATE USING A NON-PILOT PORTION OF A SIGNAL                       | LUCENT TECHNOLOGIES INC                                      | 05/10/2007 | CHENNAI |
| 31 | 260981 | 140/CHENP/2007  | 14/06/2004             | 14/06/2004 | CORIOLIS FLOW METER AND METHOD FOR DETERMINING A SIGNAL DIFFERENCE IN CABLING AND FIRST AND SECOND PICKOFF SENSORS | MICRO MOTION INC                                             | 24/08/2007 | CHENNAI |

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| Serial Number | Patent Number | Application Number | Date of Application | Date of Priority | Title of Invention                                                                                                                            | Name of Patentee                   | Date of Publication of Abstract u/s 11(A) | Appropriate Office |
|---------------|---------------|--------------------|---------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------|--------------------|
| 1             | 260823        | 488/KOL/2003       | 19/09/2003          | 15/10/2002       | PROCESS FOR REDUCING ION CONTENT OF WASHED CLEAVAGE PRODUCT                                                                                   | KELLOGG BROWN & ROOT , INC.,       | 22/07/2005                                | KOLKATA            |
| 2             | 260825        | 233/KOL/2006       | 20/03/2006          |                  | A METHOD FOR PRODUCING FERROCHROME USING A CLOSED SUBMERGED ARC FURNACE (SAF)                                                                 | TATA STEEL LIMITED                 | 19/06/2009                                | KOLKATA            |
| 3             | 260828        | 2848/KOLNP/2006    | 30/03/2005          | 31/03/2004       | COMPUTER - IMPLEMENTED METHOD FOR EVENT CAPTURE AND RETRIEVAL AND AUTOMATIC GENERATION OF SEARCH QUERIES                                      | GOOGLE INC                         | 01/06/2007                                | KOLKATA            |
| 4             | 260832        | 601/KOLNP/2007     | 31/08/2005          | 31/08/2004       | METHOD AND MOBILE COMMUNICATION SYSTEM FOR COMMUNICATING INFORMATION RELATING TO SCHEDULING OF UPLINK DATA TRANSMISSIONS DURING SOFT HANDOVER | PANASONIC CORPORATION.             | 06/07/2007                                | KOLKATA            |
| 5             | 260833        | 2750/KOLNP/2006    | 19/02/2005          | 20/02/2004       | A TUNABLE FILTER AND A METHOD FOR WAVELENGTH TUNING OF AN INPUT OPTICAL SIGNAL OVER A LARGE OPTICAL BAND                                      | CALIFORNIA INSTITUTE OF TECHNOLOGY | 01/06/2007                                | KOLKATA            |
| 6             | 260835        | 55/KOLNP/2007      | 18/07/2005          | 29/07/2004       | METHOD AND SYSTEM FOR USE IN REDUCING COST ASSOCIATED WITH LOST CONNECTIONS IN WIRELESS COMMUNICATION                                         | MOTOROLA MOBILITY, INC             | 29/06/2007                                | KOLKATA            |
| 7             | 260837        | 2147/KOLNP/2007    | 27/12/2005          | 27/12/2004       | A METHOD OF TRANSMITTING FEEDBACK INFORMATION USING AN EXTENDED SUBHEADER                                                                     | LG ELECTRONICS INC.                | 17/08/2007                                | KOLKATA            |

|    |        |                 |            |            |                                                                                                                                                              |                                         |            |         |
|----|--------|-----------------|------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------|---------|
| 8  | 260838 | 1157/KOL/2007   | 22/08/2007 |            | A METHOD TO IMPROVE THE PROPERTIES OF GREEN AND FIRED CHROMITE PELLETS BY USING ALKALINE COMPOUND                                                            | TATA STEEL LIMITED                      | 30/04/2010 | KOLKATA |
| 9  | 260842 | 1106/KOLNP/2008 | 16/08/2006 | 17/08/2005 | A COATING COMPOSITION                                                                                                                                        | AKZO NOBEL COATINGS INTERNATIONAL B.V.  | 26/12/2008 | KOLKATA |
| 10 | 260872 | 2721/KOLNP/2006 | 21/03/2005 | 19/03/2004 | A DARK GREY SODA-LIME SILICATE GLASS COMPOSITION                                                                                                             | SAINT-GOBAIN GLASS FRANCE               | 01/06/2007 | KOLKATA |
| 11 | 260873 | 1150/KOLNP/2007 | 02/09/2005 | 03/09/2004 | METHOD FOR PRODUCING POLYMERS INCORPORATING LIVING MATERIAL                                                                                                  | RESILUX                                 | 13/07/2007 | KOLKATA |
| 12 | 260874 | 2699/KOLNP/2008 | 21/12/2006 | 23/12/2005 | MODIFIED LYSINE-MIMETIC COMPOUNDS                                                                                                                            | ZEALAND PHARMA A/S,WYETH                | 23/01/2009 | KOLKATA |
| 13 | 260878 | 3212/KOLNP/2007 | 02/02/2006 | 02/02/2005 | BIOSTATIC POLYMERIC FORMED ARTICLES                                                                                                                          | NOVAPHARM RESEARCH (AUSTRALIA) PTY LTD. | 21/03/2008 | KOLKATA |
| 14 | 260880 | 4526/KOLNP/2007 | 16/11/2005 | 31/05/2005 | COMPOSITIONS COMPRISING NEBIVOLOL                                                                                                                            | MYLAN LABORATORIES, INC                 | 28/03/2008 | KOLKATA |
| 15 | 260881 | 1700/KOLNP/2009 | 22/11/2006 | 17/11/2006 | A PHARMACEUTICAL COMPOSITION HAVING STRUCTURE OF THERE-BRANCHED PEG-G-CSF CONJUGATE COMPRISING THREE-BRANCHED PEG AND G-CSF AND METHOD OF PREPARING THE SAME | DONG-A PHARM. CO., LTD.                 | 12/06/2009 | KOLKATA |
| 16 | 260894 | 3561/KOLNP/2007 | 29/03/2006 | 29/03/2005 | A COMPOUND WHICH IS 1-[5-BROMO-4-METHYL-2-S-(MORPHOLIN-2-YLMETHOXY)-PHENYL]-3-(5-METHYL-PYRAZIN-2-YL)-UREA OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF     | ICOS CORPORATION                        | 28/03/2008 | KOLKATA |
| 17 | 260895 | 3582/KOLNP/2007 | 27/02/2006 | 25/02/2005 | TETRAHYDROINDOLONE AND TETRAHYDROINDAZOLONE DERIVATIVES                                                                                                      | ESANEX, INC.                            | 18/01/2008 | KOLKATA |
| 18 | 260896 | 4395/KOLNP/2008 | 29/03/2007 | 30/03/2006 | SLURRY POLYMERISATION PROCESS OF ETHYLENE IN THE PRESENCE OF LOW AMOUNT OF SCAVENGER                                                                         | TOTAL PETROCHEMICALS RESEARCH FELUY     | 06/03/2009 | KOLKATA |
| 19 | 260897 | 1387/KOLNP/2006 | 20/11/2004 | 10/12/2003 | PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY ENRICHED AMINO ACIDS                                                                                         | EVONIK DEGUSSA GMBH                     | 04/05/2007 | KOLKATA |

|    |        |                 |            |            |                                                                                                                                                                                     |                                       |            |         |
|----|--------|-----------------|------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------|---------|
| 20 | 260898 | 1292/KOLNP/2008 | 06/10/2006 | 07/10/2005 | POLYETHYLENE COMPOSITION FOR INJECTION MOULDING WITH IMPROVED STRESS CRACK/STIFFNESS RELATION AND IMPACT RESISTANCE                                                                 | BOREALIS TECHNOLOGY OY                | 02/01/2009 | KOLKATA |
| 21 | 260900 | 1103/KOLNP/2009 | 31/10/2007 | 31/10/2006 | PHOSPHATE-TREATED GALVANIZED STEEL SHEET AND METHOD FOR MAKING THE SAME                                                                                                             | JEE STEEL CORPORATION                 | 22/05/2009 | KOLKATA |
| 22 | 260903 | 4556/KOLNP/2008 | 17/05/2007 | 31/05/2006 | PROCESS FOR MAKING FOAM CONTROL COMPOSITIONS                                                                                                                                        | DOW CORNING CORPORATION               | 13/03/2009 | KOLKATA |
| 23 | 260910 | 3904/KOLNP/2007 | 31/03/2006 | 31/03/2005 | PRODUCTION PROCESS FOF CYCLOPROPYLPHENOL DERIVATIVES                                                                                                                                | SANKYO AGRO COMPANY, LIMITED          | 23/05/2008 | KOLKATA |
| 24 | 260911 | 4107/KOLNP/2007 | 26/04/2006 | 28/04/2005 | PROCESSES FOR PREPARING POLYMORPHS FORM I AND FORM II OF TANAPROGET                                                                                                                 | WYETH                                 | 30/05/2008 | KOLKATA |
| 25 | 260913 | 2836/KOLNP/2006 | 07/04/2005 | 08/04/2004 | METHOD OF PRODUCING AMMONIUM NITRATE CRYSTALS                                                                                                                                       | NEXCO INC.                            | 01/06/2007 | KOLKATA |
| 26 | 260914 | 1403/KOL/2008   | 19/08/2008 | 30/08/2007 | A SYSTEM FOR REDUCING REDUCTANT RELEASE IN A SELECTIVE CATALYTIC REDUCTION CATALYST                                                                                                 | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 01/05/2009 | KOLKATA |
| 27 | 260917 | 523/KOL/2008    | 14/03/2008 |            | REACTIVE CHROMATE PASSIVATION FOR GALVANIZED MATERIAL                                                                                                                               | TATA STEEL LIMITED                    | 18/09/2009 | KOLKATA |
| 28 | 260919 | 386/KOL/2008    | 29/02/2008 | 04/04/2007 | A PIPE FITTING ASSEMBLY FOR AN INLET MANIFOLD ASSEMBLY OF AN INTERNAL COMBUSTION ENGINE                                                                                             | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 17/04/2009 | KOLKATA |
| 29 | 260921 | 287/KOL/2008    | 18/02/2008 | 14/03/2007 | AN EXHAUST SYSTEM HAVING HEATING ELEMENT TO INTRODUCE THERMAL ENERGY INTO AN EXHAUST AND A SELECTIVE CATALYST REDUCTION (SCR) UNIT TO FILTER NITROGEN OXIDES (NOX) FROM THE EXHAUST | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 03/10/2008 | KOLKATA |
| 30 | 260922 | 1204/KOLNP/2005 | 24/12/2003 | 30/12/2002 | A PRESTRESSED COMPOSITE GIRDER AND A METHOD OF FABRICATING AND CONNECTING THE SAME                                                                                                  | KOO,MIN SE                            | 13/07/2007 | KOLKATA |

|    |        |                 |            |            |                                                                                                                               |                                       |            |         |
|----|--------|-----------------|------------|------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------|---------|
| 31 | 260923 | 462/KOL/2007    | 23/03/2007 | 03/05/2006 | A VALVE ACTUATOR ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE                                                                   | GM GLOBAL TECHNOLOGY OPERATIONS, INC  | 16/11/2007 | KOLKATA |
| 32 | 260932 | 410/KOLNP/2007  | 03/08/2005 | 09/08/2004 | A METHOD FOR OPERATING A TRANSMITTER THAT GENERATES PARITY-CHECK BITS AND APPARATUS THEREFOR                                  | MOTOROLA MOBILITY, INC.               | 06/07/2007 | KOLKATA |
| 33 | 260936 | 83/KOLNP/2007   | 06/08/2004 | 06/08/2004 | METHOD AND APPARATUS FOR THE PURIFICATION OF GROUND WATER                                                                     | 2ALFA HYDROTECH AB                    | 29/06/2007 | KOLKATA |
| 34 | 260939 | 957/KOLNP/2007  | 08/09/2005 | 15/09/2004 | METHOD AND SYSTEM FOR CONTROLLING OPTICAL NETWORK                                                                             | ECI TELECOM LTD.                      | 13/07/2007 | KOLKATA |
| 35 | 260940 | 2588/KOLNP/2006 | 23/03/2005 | 24/03/2004 | A DEVICE FOR THE SEPARATION OF A COMPONENT                                                                                    | AMIC AB                               | 01/06/2007 | KOLKATA |
| 36 | 260941 | 4512/KOLNP/2008 | 16/05/2007 | 31/05/2006 | FLAME RETARDANT POLYMER COMPOSITION COMPRISING POLYOLEFIN WITH HIGH MOLECULAR WEIGHT DISTRIBUTION                             | BOREALIS TECHNOLOGY OY                | 13/03/2009 | KOLKATA |
| 37 | 260943 | 1439/KOLNP/2007 | 05/10/2005 | 14/10/2004 | A METHOD FOR ONLINE RECOVERY IN DIRECT CONNECTION CLIENT SERVER SYSTEM                                                        | ORACLE INTERNATIONAL CORPORATION      | 20/07/2007 | KOLKATA |
| 38 | 260957 | 4891/KOLNP/2007 | 29/06/2005 | 29/06/2005 | METHOD OF SYNTHESIS OF IMIDAZOLE-AMINO ACID DERIVATIVES AND RELATED COMPOUNDS                                                 | JANSSEN PHARMACEUTICA N.V.            | 02/01/2009 | KOLKATA |
| 39 | 260969 | 3842/KOLNP/2007 | 23/01/2004 | 23/01/2003 | A COMPOSITE STRUCTURE                                                                                                         | SAINT -GOBAIN PLACO                   | 25/01/2008 | KOLKATA |
| 40 | 260977 | 3253/KOLNP/2006 | 17/01/2005 | 07/05/2004 | SUPPORT FRAME STRUCTURE FOR SUPPORTING DISPERSION PLATE IN FLUID LAYER REDUCTION FURNACE FOR REDUCTION OF IRON ORE            | CHOSUN REFRACTORIES CO., LTD.         | 08/06/2007 | KOLKATA |
| 41 | 260979 | 1413/KOL/2008   | 21/08/2008 | 12/09/2007 | METHOD AND SYSTEM FOR CONVERTING DC POWER TO AC POWER                                                                         | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 01/05/2009 | KOLKATA |
| 42 | 260982 | 1247/KOL/2006   | 20/11/2006 | 27/01/2006 | A SYSTEM AND A METHOD FOR CONTROLLING ENGAGEMENT OF TORQUE TRANSMITTING MECHANISM FOR AN AUTOMATICALLY SHIFTABLE TRANSMISSION | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 03/04/2009 | KOLKATA |

|    |        |                 |                     |            |                                                                                   |                                       |            |         |
|----|--------|-----------------|---------------------|------------|-----------------------------------------------------------------------------------|---------------------------------------|------------|---------|
| 43 | 260983 | 1894/KOLNP/2006 | 02/12/2004          | 08/01/2004 | DEVICE FOR HANDLING A CATHETER                                                    | HELMUT WOLLSCHLAGER                   | 11/05/2007 | KOLKATA |
| 44 | 260984 | 1070/KOLNP/2007 | 26/07/2005          | 28/09/2004 | METHOD FOR MANUFACTURING MAGNETRON COATED SUBSTRATES AND MAGNETRON SPUTTER SOURCE | OC OERLIKON BALZERS AG.               | 13/07/2007 | KOLKATA |
| 45 | 260986 | 647/KOL/2008    | 31/03/2008          | 01/05/2007 | A VENTED GEAR DRIVE ASSEMBLY FOR A SUPERCHARGER                                   | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 08/05/2009 | KOLKATA |
| 46 | 260987 | 3/KOL/2007      | 02/01/2007          |            | AN IMPROVED MULTI-LAYER WOVEN FABRIC USED IN PAPER MAKING MACHINES                | WIRES & FABRIKS (S.A.) LIMITED        | 15/05/2009 | KOLKATA |
| 47 | 260988 | 1657/KOLNP/2008 | 11/09/2006          | 28/09/2005 | A MILLING INSERT AND A MILLING TOOL                                               | SECO TOOLS AB                         | 30/01/2009 | KOLKATA |
| 48 | 260989 | 3612/KOLNP/2006 | 22/04/2005          | 05/05/2004 | DRILL AND DRILL TIP WITH GUIDE MEMBERS                                            | SECO TOOLS AB                         | 15/06/2007 | KOLKATA |
| 49 | 260990 | 297/KOL/2008    | 19/02/2008          | 13/03/2007 | ACCELERATOR/BRAKE PEDAL MANAGEMENT FOR TORQUE-BASED ENGINE CONTROL                | GM GLOBAL TECHNOLOGY OPERATIONS, INC. | 17/04/2009 | KOLKATA |
| 50 | 260991 | 2677/KOLNP/2006 | 16/03/2005          | 18/03/2004 | TURBINE AND ROTOR THEREFOR.                                                       | LOTRIENTE, Frank, Daniel              | 01/06/2007 | KOLKATA |
| 51 | 260992 | 1632/KOL/2007   | 28/11/2007          | 28/11/2006 | MODULAR PROXIMAL BODY TRIAL                                                       | DEPUY PRODUCTS, INC.                  | 11/07/2008 | KOLKATA |
| 52 | 260994 | 950/KOL/2009    | 07/07/2009 16:46:40 |            | AN IMPROVED PROCESS TO PRODUCE LOW ASH COAL FROM HIGH ASH COAL                    | TATA STEEL LIMITED                    | 14/01/2011 | KOLKATA |

***CONTINUED TO PART- 2***

## ***CONTINUED FROM PART- 1***

### **INTRODUCTION**

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. 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.



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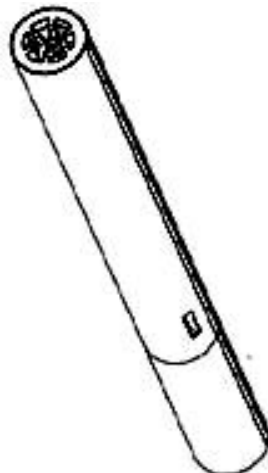
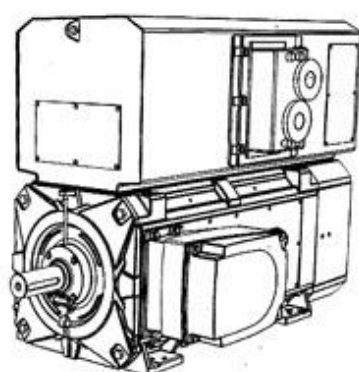
| <b>SL NO</b> | <b>REGISTERED DESIGN NUMBERS</b> | <b>RENEWED ON</b> |
|--------------|----------------------------------|-------------------|
| 1.           | 190552                           | 15.05.2014        |
| 2.           | 193614                           | 15.05.2014        |
| 3.           | 194305                           | 15.05.2014        |
| 4.           | 194474                           | 30.04.2014        |
| 5.           | 195395                           | 19.05.2014        |
| 6.           | 195598                           | 19.05.2014        |
| 7.           | 195599                           | 19.05.2014        |
| 8.           | 196334                           | 15.05.2014        |
| 9.           | 196335                           | 19.05.2014        |
| 10.          | 196336                           | 19.05.2014        |
| 11.          | 196339                           | 19.05.2014        |
| 12.          | 197617                           | 30.04.2014        |
| 13.          | 197618                           | 30.04.2014        |
| 14.          | 197333                           | 30.04.2014        |
| 15.          | 197334                           | 30.04.2014        |

**RESTORATION OF LAPSED DESIGNS**  
**UNDER SECTION 12 (2) OF THE DESIGNS ACT, 2000**

An application made under Section 12 (2) of the Designs act, 2000 on **30.01.2014**, for Restoration of **Design No.194305 dated 19.01.2004** in the name of **SYMPHONY LIMITED (A COMPANY REGISTERED UNDER THE COMPANIES ACT, 1956), "SAUMYA", BAKERI CIRCLE, NAVRANGPURA, AHMEDABAD-380014, GUJARAT, INDIA** has been allowed.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

|                                                                                                                                                                             |                                      |            |         |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------|---------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                               | 256762                               |            |         |    |
| CLASS                                                                                                                                                                       | 24-04                                |            |         |                                                                                       |
| 1)KIND CONSUMER LIMITED., OF<br>79 CLERKENWELL ROAD, LONDON, EC1R 5AR, UNITED KINGDOM;<br>NATIONALITY: UNITED KINGDOM                                                       |                                      |            |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                        | 25/09/2013                           |            |         |                                                                                       |
| TITLE                                                                                                                                                                       | INHALER                              |            |         |                                                                                       |
| PRIORITY                                                                                                                                                                    |                                      |            |         |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                             |                                      | DATE       | COUNTRY |  |
| 001366249-0001                                                                                                                                                              |                                      | 26/03/2013 | OHIM    |                                                                                       |
|                                                                                                                                                                             |                                      |            |         |                                                                                       |
| DESIGN NUMBER                                                                                                                                                               | 256170                               |            |         |                                                                                       |
| CLASS                                                                                                                                                                       | 13-01                                |            |         |                                                                                       |
| 1)SIEMENS AKTIENGESELLSCHAFT, OF<br>WITTELSBACHERPLATZ 2, 80333 MUNCHEN, GERMANY, A GERMAN COMPANY                                                                          |                                      |            |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                        | 02/09/2013                           |            |         |                                                                                       |
| TITLE                                                                                                                                                                       | ELECTROMOTORS                        |            |         |                                                                                       |
| PRIORITY                                                                                                                                                                    |                                      |            |         |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                             |                                      | DATE       | COUNTRY |   |
| EU 001363949                                                                                                                                                                |                                      | 12/03/2013 | OHIM    |                                                                                       |
|                                                                                                                                                                             |                                      |            |         |                                                                                       |
| DESIGN NUMBER                                                                                                                                                               | 256391                               |            |         |                                                                                       |
| CLASS                                                                                                                                                                       | 12-16                                |            |         |                                                                                       |
| 1)HERO MOTOCORP LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, HAVING ITS OFFICE AT<br>34, COMMUNITY CENTRE, BASANT LOK, VASANT VIHAR,<br>NEW DELHI-110057 |                                      |            |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                        | 12/09/2013                           |            |         |                                                                                       |
| TITLE                                                                                                                                                                       | TAIL LIGHT FOR A TWO WHEELED VEHICLE |            |         |                                                                                       |
| PRIORITY NA                                                                                                                                                                 |                                      |            |         |                                                                                       |

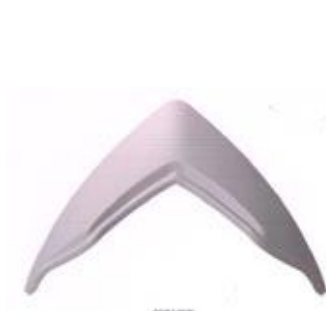
|                                                                                                                                       |            |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                         | 257471     |  |
| CLASS                                                                                                                                 | 09-01      |                                                                                     |
| 1)MYSTICAL TECHNOPLAST PVT. LTD. OF<br>PLOT NO- A.2, ROAD NO-2, WAGLE-IND ESTATE, THANE (WEST),<br>MAHARASHTRA, INDIA, INDIAN COMPANY |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                  | 14/10/2013 |                                                                                     |
| TITLE                                                                                                                                 | BOTTLE     |                                                                                     |
| PRIORITY NA                                                                                                                           |            |                                                                                     |

|                                                                                                                                                                                |            |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                  | 258019     |  |
| CLASS                                                                                                                                                                          | 09-01      |                                                                                      |
| 1)GODREJ CONSUMER PRODUCTS LIMITED, AN INDIAN COMPANY WHOSE ADDRESS IS<br>PIROJSHANAGAR, EASTERN EXPRESS HIGHWAY, VIKHROLI EAST, MUMBAI-400079, MAHARASHTRA, AN INDIAN COMPANY |            |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                           | 07/11/2013 |                                                                                      |
| TITLE                                                                                                                                                                          | BOTTLE     |                                                                                      |
| PRIORITY NA                                                                                                                                                                    |            |                                                                                      |

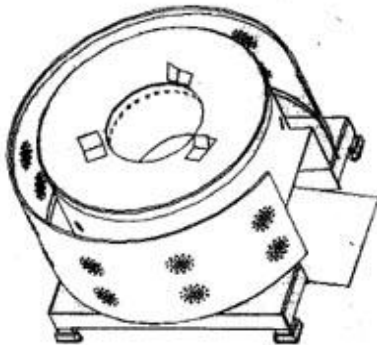
|                                                                                                                                                                      |                                |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                        | 255672                         |  |
| CLASS                                                                                                                                                                | 31-01                          |                                                                                      |
| 1)MR. ALPESH KANTILAL PATEL, AN INDIAN NATIONAL, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,<br>VAASTU, TF-302, 2/3 JYOTI NAGAR CORNER, RAJKOT-360005, GUJARAT, INDIA |                                |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                 | 06/08/2013                     |                                                                                      |
| TITLE                                                                                                                                                                | BLACK MOUNT FOR WATER PURIFIER |                                                                                      |
| PRIORITY NA                                                                                                                                                          |                                |                                                                                      |

|                                                                                                                                                                                                                     |            |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                       | 256879     |  |
| CLASS                                                                                                                                                                                                               | 11-01      |                                                                                     |
| 1)INDERJIT KAUR ARORA, PROPRIETRESS, M/S. NIKKI ARORA FINE JEWELLERY, HAVING HER ADDRESS AT<br>B-507, MANJU MAHAL, PALI HILL, NARGIS DUTT ROAD, BANDRA (WEST), MUMBAI-400 050, MAHARASHTRA, INDIA (INDIAN NATIONAL) |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                | 27/09/2013 |                                                                                     |
| TITLE                                                                                                                                                                                                               | JEWELLERY  |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                         |            |                                                                                     |

|                                                                                                                                                                                                                                                                                                                                                                                                              |                          |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                                                                                                | 257574                   |  |
| CLASS                                                                                                                                                                                                                                                                                                                                                                                                        | 09-03                    |                                                                                      |
| 1)POWERTECH LUBRICANTS LTD., A REGISTERED INDIAN COMPANY DULY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING DIRECTORS 1) GAURAV VERMA 2) RAMESH CHANDER VERMA 3) NIHARIKA VERMA 4) SUSHMA VERMA 5) MIHIR BANERJEE 6) GAGAN BANERJEE AND 7) GAURAV ARORA, ALL OF INDIAN NATIONALITY HAVING REGISTERED ADDRESS AT<br>POWERTECH LUBRICANTS LTD., 817, SECTOR-9, URBAN ESTATE, KARNAL-132001, HARYANA, INDIA |                          |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                                                                                                         | 21/10/2013               |                                                                                      |
| TITLE                                                                                                                                                                                                                                                                                                                                                                                                        | CONTAINER FOR LUBRICANTS |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                                                                                                                                                                                                                  |                          |                                                                                      |

|                                                                                                                                                                          |                 |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                            | 256387          |  |
| CLASS                                                                                                                                                                    | 12-16           |                                                                                       |
| 1)HERO MOTOCORP LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, HAVING ITS OFFICE AT<br>34, COMMUNITY CENTRE, BASANT LOK, VASANT VIHAR, NEW DELHI-110057 |                 |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                     | 12/09/2013      |                                                                                       |
| TITLE                                                                                                                                                                    | TAIL LIGHT LENS |                                                                                       |
| PRIORITY NA                                                                                                                                                              |                 |                                                                                       |

|                                                                                                                       |            |  |  |
|-----------------------------------------------------------------------------------------------------------------------|------------|--|--|
| DESIGN NUMBER                                                                                                         | 255775     |  |  |
| CLASS                                                                                                                 | 07-02      |  |  |
| 1)SOUMITRA RAMESH KULKARNI, DIRECTOR, OF SWAMI SAMARTH ELECTRONICS PVT. LTD.,<br>M-63, M.I.D.C., AMBAD, NASHIK-422010 |            |  |  |
| DATE OF REGISTRATION                                                                                                  | 12/08/2013 |  |  |
| TITLE                                                                                                                 | STOVE      |  |  |
| PRIORITY NA                                                                                                           |            |  |  |



|                                                                                                                                                                           |                                           |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--|--|
| DESIGN NUMBER                                                                                                                                                             | 256423                                    |  |  |
| CLASS                                                                                                                                                                     | 12-16                                     |  |  |
| 1)HERO MOTOCORP LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, HAVING ITS OFFICE AT<br>34, COMMUNITY CENTRE, BASANT LOK, VASANT VIHAR, NEW DELHI-110 057 |                                           |  |  |
| DATE OF REGISTRATION                                                                                                                                                      | 13/09/2013                                |  |  |
| TITLE                                                                                                                                                                     | HEAD LIGHT LENS FOR A TWO WHEELED VEHICLE |  |  |
| PRIORITY NA                                                                                                                                                               |                                           |  |  |



|                                                                                                        |            |         |  |
|--------------------------------------------------------------------------------------------------------|------------|---------|--|
| DESIGN NUMBER                                                                                          | 256381     |         |  |
| CLASS                                                                                                  | 04-02      |         |  |
| 1)COLGATE-PALMOLIVE COMPANY, A DELAWARE CORPORATION,<br>300 PARK AVENUE, NEW YORK, NEW YORK 10022, USA |            |         |  |
| DATE OF REGISTRATION                                                                                   | 11/09/2013 |         |  |
| TITLE                                                                                                  | TOOTHBRUSH |         |  |
| PRIORITY                                                                                               |            |         |  |
| PRIORITY NUMBER                                                                                        | DATE       | COUNTRY |  |
| 29/451,267                                                                                             | 29/03/2013 | U.S.A.  |  |



|                                                                                                                                                                                                                                     |            |                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                       | 257180     |  |
| CLASS                                                                                                                                                                                                                               | 08-06      |                                                                                    |
| 1)HARSHADBHAI KARSANBHAI AJANI (ADULT & INDIAN NATIONAL) SOLE PROPRIETOR OF PAL ENTERPRISE (INDIAN PROPRIETORSHIP CONCERN) HAVING PLACE OF BUSINESS AT:<br>6, PARSANA SOCIETY, 50 FEET ROAD, KOTHARIA ROAD, RAJKOT-GUJARAT- (INDIA) |            |                                                                                    |
| DATE OF REGISTRATION                                                                                                                                                                                                                | 04/10/2013 |                                                                                    |
| TITLE                                                                                                                                                                                                                               | HANDLE     |                                                                                    |
| PRIORITY NA                                                                                                                                                                                                                         |            |                                                                                    |

|                                                                                                                                                                                                                                                  |            |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                    | 257855     |  |
| CLASS                                                                                                                                                                                                                                            | 07-01      |                                                                                     |
| 1)JOYFUL PLASTICS PRIVATE LIMITED, A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT<br>15, A/F, NEW EMPIRE INDUSTRIAL ESTATE, KONDIVITA ROAD, J.B.NAGAR, ANDHERI(E), MUMBAI-400 059, STATE OF MAHARASHTRA, INDIA, OF ABOVE ADDRESS |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                                             | 29/10/2013 |                                                                                     |
| TITLE                                                                                                                                                                                                                                            | TRAY       |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                                                      |            |                                                                                     |

|                                                                                                                                          |            |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                            | 259085     |  |
| CLASS                                                                                                                                    | 13-01      |                                                                                       |
| 1)CROMPTON GREAVES LIMITED,<br>CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD, WORLI, MUMBAI - 400030, MAHARASHTRA, INDIA; AN INDIAN COMPANY |            |                                                                                       |
| DATE OF REGISTRATION                                                                                                                     | 27/12/2013 |                                                                                       |
| TITLE                                                                                                                                    | MOTOR      |                                                                                       |
| PRIORITY NA                                                                                                                              |            |                                                                                       |

|                                                                                                                                                 |                           |  |  |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                   | 256151                    |  |  |  |
| CLASS                                                                                                                                           | 15-03                     |  |  |                                                                                     |
| 1)AJINKYA DEELIP INGAWALE AN INDIAN NATIONAL WHOSE ADDRESS IS<br>36B/2, AGASTI APARTMENT, TARABAI PARK, KOLHAPUR PIN 416 003 MAHARASHTRA, INDIA |                           |  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                            | 30/08/2013                |  |  |                                                                                     |
| TITLE                                                                                                                                           | SUGARCANE PLANTING DEVICE |  |  |                                                                                     |
| PRIORITY NA                                                                                                                                     |                           |  |  |                                                                                     |

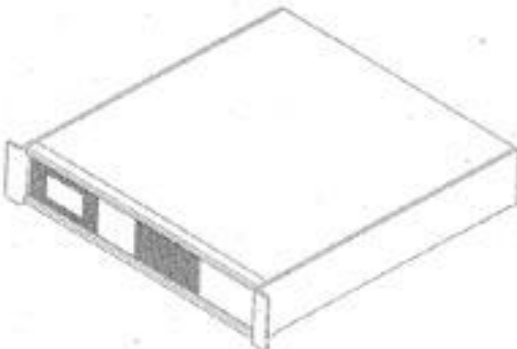
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                  | 256270     |  |  |  |
| CLASS                                                                                                                                                                          | 09-01      |  |  |                                                                                      |
| 1)WEIKFIELD FOODS PVT. LTD., A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT,<br>AT WEIKFIELD ESTATE, GAT NO. 485, LONIKAND, NAGAR ROAD, PUNE-412216, MAHARASHTRA, INDIA |            |  |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                           | 06/09/2013 |  |  |                                                                                      |
| TITLE                                                                                                                                                                          | BOTTLE     |  |  |                                                                                      |
| PRIORITY NA                                                                                                                                                                    |            |  |  |                                                                                      |

|                                                                                                                                                                                                                              |                     |            |         |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|---------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                | 256320              |            |         |  |
| CLASS                                                                                                                                                                                                                        | 14-03               |            |         |                                                                                       |
| 1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN,<br>WHOSE POST-OFFICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS |                     |            |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                         | 09/09/2013          |            |         |                                                                                       |
| TITLE                                                                                                                                                                                                                        | REMOTE CONTROL UNIT |            |         |                                                                                       |
| PRIORITY                                                                                                                                                                                                                     |                     |            |         |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                              |                     | DATE       | COUNTRY |                                                                                       |
| 002209510-0001                                                                                                                                                                                                               |                     | 26/03/2013 | OHIM    |                                                                                       |



|                                                                                                                                                                                                                                |                         |            |         |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|---------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                  | 256378                  |            |         |   |
| CLASS                                                                                                                                                                                                                          | 09-01                   |            |         |                                                                                      |
| 1)THE ABSOLUT COMPANY AKTIEBOLAG A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWEDEN, HAVING ITS OFFICE AT 117 97 STOCKHOLM, SWEDEN                                                                                      |                         |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                           | 11/09/2013              |            |         |                                                                                      |
| TITLE                                                                                                                                                                                                                          | BOTTLE                  |            |         |                                                                                      |
| PRIORITY                                                                                                                                                                                                                       |                         |            |         |                                                                                      |
| PRIORITY NUMBER                                                                                                                                                                                                                |                         | DATE       | COUNTRY |                                                                                      |
| 002201996                                                                                                                                                                                                                      |                         | 13/03/2013 | OHIM    |                                                                                      |
|                                                                                                                                                                                                                                |                         |            |         |                                                                                      |
| DESIGN NUMBER                                                                                                                                                                                                                  | 258110                  |            |         |  |
| CLASS                                                                                                                                                                                                                          | 10-05                   |            |         |                                                                                      |
| 1)SUBTRONICS (INDIA) PRIVATE LIMITED, A COMPANY REGISTERED IN INDIA, HAVING ITS REGISTERED OFFICE AT 147, KALIANDAS UDYOG BHAVAN, NEAR CENTURY BAZAR, PRABHADEVI, MUMBAI 400025, STATE OF MAHARASHTRA, INDIA, OF ABOVE ADDRESS |                         |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                           | 12/11/2013              |            |         |                                                                                      |
| TITLE                                                                                                                                                                                                                          | BREATH ALCOHOL ANALYSER |            |         |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                                    |                         |            |         |                                                                                      |
| DESIGN NUMBER                                                                                                                                                                                                                  | 255853                  |            |         |  |
| CLASS                                                                                                                                                                                                                          | 06-08                   |            |         |                                                                                      |
| 1)MAINETTI (UK) LIMITED, A COMPANY INCORPORATED IN SCOTLAND OF ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOTLAND, TD8 6NN, UNITED KINGDOM                                                                         |                         |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                           | 16/08/2013              |            |         |                                                                                      |
| TITLE                                                                                                                                                                                                                          | GARMENT HANGER          |            |         |                                                                                      |
| PRIORITY                                                                                                                                                                                                                       |                         |            |         |                                                                                      |
| PRIORITY NUMBER                                                                                                                                                                                                                |                         | DATE       | COUNTRY |                                                                                      |
| 4028662                                                                                                                                                                                                                        |                         | 19/02/2013 | U.K.    |                                                                                      |

|                                                                                                                                          |            |  |  |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                            | 259083     |  |  |  |
| CLASS                                                                                                                                    | 15-02      |  |  |                                                                                     |
| 1)CROMPTON GREAVES LIMITED,<br>CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD, WORLI, MUMBAI - 400030, MAHARASHTRA, INDIA; AN INDIAN COMPANY |            |  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                     | 27/12/2013 |  |  |                                                                                     |
| TITLE                                                                                                                                    | PUMP       |  |  |                                                                                     |
| PRIORITY NA                                                                                                                              |            |  |  |                                                                                     |

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|-------------------------------------------------------------------------------------------------------------------------|------------|------------|---------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                           | 257558     |            |         |  |
| CLASS                                                                                                                   | 14-03      |            |         |                                                                                     |
| 1)QSC AUDIO PRODUCTS, LLC, A CORPORATION OF CALIFORNIA, OF<br>1675 MACARTHUR BLVD. COSTA MESA, CALIFORNIA 92626, U.S.A. |            |            |         |                                                                                     |
| DATE OF REGISTRATION                                                                                                    | 18/10/2013 |            |         |                                                                                     |
| TITLE                                                                                                                   | AMPLIFIER  |            |         |                                                                                     |
| PRIORITY                                                                                                                |            |            |         |                                                                                     |
| PRIORITY NUMBER                                                                                                         |            | DATE       | COUNTRY |                                                                                     |
| 29/452,632                                                                                                              |            | 18/04/2013 | U.S.A.  |                                                                                     |

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|-----------------------------------------------------------------------------------------------------------|---------------------|------------|---------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                             | 255861              |            |         |  |
| CLASS                                                                                                     | 15-04               |            |         |                                                                                      |
| 1)JOSEPH VÖGELE AG,<br>OF JOSEPH-VÖGELE-STRASSE 1, 67067 LUDWIGSHAFEN/RHEIN, GERMANY; NATIONALITY: GERMAN |                     |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                      | 16/08/2013          |            |         |                                                                                      |
| TITLE                                                                                                     | ROAD PAVING MACHINE |            |         |                                                                                      |
| PRIORITY                                                                                                  |                     |            |         |                                                                                      |
| PRIORITY NUMBER                                                                                           |                     | DATE       | COUNTRY |                                                                                      |
| 001369649                                                                                                 |                     | 12/04/2013 | OHIM    |                                                                                      |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                | 256235       |         |  |
| CLASS                                                                                                                                                                                                                        | 26-05        |         |                                                                                     |
| 1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN,<br>WHOSE POST-OFFICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS |              |         |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                         | 05/09/2013   |         |                                                                                     |
| TITLE                                                                                                                                                                                                                        | CEILING LAMP |         |                                                                                     |
| PRIORITY                                                                                                                                                                                                                     |              |         |                                                                                     |
| PRIORITY NUMBER                                                                                                                                                                                                              | DATE         | COUNTRY |                                                                                     |
| 002200154-0003                                                                                                                                                                                                               | 11/03/2013   | OHIM    |                                                                                     |

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|------------------------------------------------------------------------------------------------------------------------------|-------------|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                | 257302      |  |  |
| CLASS                                                                                                                        | 06-07       |  |                                                                                      |
| 1)RAVISSANT PRIVATE LIMITED, AN INDIAN COMPANY, OF<br>50-51, COMMERCIAL COMPLEX, NEW FRIENDS COLONY, NEW DELHI-110065, INDIA |             |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                         | 08/10/2013  |  |                                                                                      |
| TITLE                                                                                                                        | PHOTO FRAME |  |                                                                                      |
| PRIORITY NA                                                                                                                  |             |  |                                                                                      |

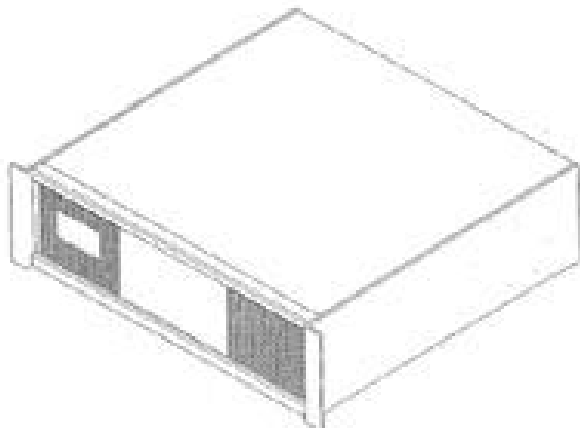
|                                                                                                                                                                 |            |  |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                   | 258065     |  |  |
| CLASS                                                                                                                                                           | 09-01      |  |                                                                                       |
| 1)ALLIED BLENDERS AND DISTILLERS PVT. LTD., AN INDIAN COMPANY OF,<br>394/C, GROUND FLOOR, LAMINGTON CHAMBERS, LAMINGTON ROAD, MUMBAI 400004, MAHARASHTRA, INDIA |            |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                            | 11/11/2013 |  |                                                                                       |
| TITLE                                                                                                                                                           | BOTTLE     |  |                                                                                       |
| PRIORITY NA                                                                                                                                                     |            |  |                                                                                       |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                                                                                                | 257577                   |  |  |  |
| CLASS                                                                                                                                                                                                                                                                                                                                                                                                        | 09-03                    |  |  |                                                                                     |
| 1)POWERTECH LUBRICANTS LTD., A REGISTERED INDIAN COMPANY DULY INCORPORATED UNDER THE COMPANIES ACT, 1956 HAVING DIRECTORS 1) GAURAV VERMA 2) RAMESH CHANDER VERMA 3) NIHARIKA VERMA 4) SUSHMA VERMA 5) MIHIR BANERJEE 6) GAGAN BANERJEE AND 7) GAURAV ARORA, ALL OF INDIAN NATIONALITY HAVING REGISTERED ADDRESS AT<br>POWERTECH LUBRICANTS LTD., 817, SECTOR-9, URBAN ESTATE, KARNAL-132001, HARYANA, INDIA |                          |  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                                                                                                         | 21/10/2013               |  |  |                                                                                     |
| TITLE                                                                                                                                                                                                                                                                                                                                                                                                        | CONTAINER FOR LUBRICANTS |  |  |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                                                                                                                                                                                                                  |                          |  |  |                                                                                     |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                       | 256271     |  |  |  |
| CLASS                                                                                                                                                                                                                                               | 23-04      |  |  |                                                                                      |
| 1)VEGO HOME SCIENCE PRIVATE LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT OF 1956, HAVING ITS REGISTERED ADDRESS AT<br>GALA NO. 1, JAYATI APARTMENT, NEW LINK ROAD, OPPOSITE SYMPHONY TOWER, KANDIVALI WEST, MUMBAI-400067, INDIA |            |  |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                                                | 06/09/2013 |  |  |                                                                                      |
| TITLE                                                                                                                                                                                                                                               | AIR COOLER |  |  |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                                                         |            |  |  |                                                                                      |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                     | 256326          |            |         |  |
| CLASS                                                                                                                                                             | 09-01           |            |         |                                                                                       |
| 1)UNILEVER PLC, A COMPANY REGISTERED IN ENGLAND AND WALES UNDER COMPANY NO. 41424 OF<br>UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED KINGDOM |                 |            |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                              | 09/09/2013      |            |         |                                                                                       |
| TITLE                                                                                                                                                             | BOTTLE WITH CAP |            |         |                                                                                       |
| PRIORITY                                                                                                                                                          |                 |            |         |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                   |                 | DATE       | COUNTRY |                                                                                       |
| 002199018                                                                                                                                                         |                 | 08/03/2013 | OHIM    |                                                                                       |

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|---------------------------------------------------------------------------------------------------------------|----------------|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                 | 255598         |  |  |
| CLASS                                                                                                         | 13-02          |  |                                                                                     |
| 1)SU-KAM POWER SYSTEMS LTD.<br>OF PLOT NO. WZ-1401/2, NANGAL RAYA, NEW DELHI-110046, INDIA, AN INDIAN COMPANY |                |  |                                                                                     |
| DATE OF REGISTRATION                                                                                          | 01/08/2013     |  |                                                                                     |
| TITLE                                                                                                         | COMMERCIAL UPS |  |                                                                                     |
| PRIORITY NA                                                                                                   |                |  |                                                                                     |

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|-------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                           | 257559     |            |  |
| CLASS                                                                                                                   | 14-03      |            |                                                                                     |
| 1)QSC AUDIO PRODUCTS, LLC, A CORPORATION OF CALIFORNIA, OF<br>1675 MACARTHUR BLVD. COSTA MESA, CALIFORNIA 92626, U.S.A. |            |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                    | 18/10/2013 |            |                                                                                     |
| TITLE                                                                                                                   | AMPLIFIER  |            |                                                                                     |
| PRIORITY                                                                                                                |            |            |                                                                                     |
| PRIORITY NUMBER                                                                                                         |            | DATE       | COUNTRY                                                                             |
| 29/452,632                                                                                                              |            | 18/04/2013 | U.S.A.                                                                              |
|                                                                                                                         |            |            |                                                                                     |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                     | 256589                                  |  |  |
| CLASS                                                                                                                                                                                                             | 24-01                                   |  |                                                                                      |
| 1)M/S. PREGNA INTERNATIONAL LIMITED, A COMPANY INCORPORATED UNDER THE COMPANIES ACT 1956 IN INDIA AND HAVING ITS REGISTERED ADDRESS AT<br>13, SURYODAY ESTATE, 136 TARDEO ROAD, MUMBAI-400034, MAHARASHTRA, INDIA |                                         |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                              | 19/09/2013                              |  |                                                                                      |
| TITLE                                                                                                                                                                                                             | SOUNDING APPARATUS FOR MEDICAL PURPOSES |  |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                       |                                         |  |                                                                                      |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                          | 257555     |             |  |    |
| CLASS                                                                                                                                                                                                                  | 09-01      |             |  |                                                                                       |
| 1)JUNILEVER PLC, A COMPANY REGISTERED IN ENGLAND AND WALES UNDER COMPANY NO. 41424 OF<br>UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED KINGDOM                                                     |            |             |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                   | 17/10/2013 |             |  |                                                                                       |
| TITLE                                                                                                                                                                                                                  | BOTTLE     |             |  |                                                                                       |
| PRIORITY                                                                                                                                                                                                               |            |             |  |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                        | DATE       | COUNTRY     |  |   |
| 002227850-0001                                                                                                                                                                                                         | 26/04/2013 | OHIM        |  |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                          |            |             |  |                                                                                       |
| CLASS                                                                                                                                                                                                                  |            |             |  |                                                                                       |
| 1)DHEERAJ BHANDARI, PROPRIETOR-INDIAN NATIONAL, TRADING AS RAI INDUSTRIES, HAVING ITS OFFICE AT<br>1102, B-WING, TULSI TOWER, M.G. ROAD, GOREGAON (WEST), MUMBAI-400104, STATE OF MAHARASHTRA, INDIA, OF ABOVE ADDRESS |            |             |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                   | 17/09/2013 |             |  |                                                                                       |
| TITLE                                                                                                                                                                                                                  | CASSEROLE  |             |  |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                            |            |             |  |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                          | 257427     |             |  |  |
| CLASS                                                                                                                                                                                                                  | 10-07      |             |  |                                                                                       |
| 1)ROLEX SA, A JOINT STOCK COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWITZERLAND, OF<br>3-5-7, RUE FRANÇOIS-DUSSAUD, GENEVA, SWITZERLAND                                                                         |            |             |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                   | 11/10/2013 |             |  |                                                                                       |
| TITLE                                                                                                                                                                                                                  | WATCH DIAL |             |  |                                                                                       |
| PRIORITY                                                                                                                                                                                                               |            |             |  |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                        | DATE       | COUNTRY     |  |                                                                                       |
| 139 831                                                                                                                                                                                                                | 12/04/2013 | SWITZERLAND |  |                                                                                       |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                  | 256269     |  |
| CLASS                                                                                                                                                                          | 09-01      |                                                                                     |
| 1)WEIKFIELD FOODS PVT. LTD., A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT,<br>AT WEIKFIELD ESTATE, GAT NO. 485, LONIKAND, NAGAR ROAD, PUNE-412216, MAHARASHTRA, INDIA |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                           | 06/09/2013 |                                                                                     |
| TITLE                                                                                                                                                                          | BOTTLE     |                                                                                     |
| PRIORITY NA                                                                                                                                                                    |            |                                                                                     |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                      | 258488     |  |
| CLASS                                                                                                                                                              | 08-07      |                                                                                      |
| 1)MOHD. SHAHID, TRADING AS M/S. ALIF INDUSTRIES, WHOSE ADDRESS IS<br>GONDA ROAD, ALIGARH-202001, (UTTAR PRADESH) (INDIAN), AN INDIAN NATIONAL OF THE ABOVE ADDRESS |            |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                               | 29/11/2013 |                                                                                      |
| TITLE                                                                                                                                                              | LOCK       |                                                                                      |
| PRIORITY NA                                                                                                                                                        |            |                                                                                      |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                           | 256860                    |  |
| CLASS                                                                                                                                                                                                                   | 08-08                     |                                                                                      |
| 1)KULRAJ & CO., OPP. ARYA COLLEGE FOR BOYS, CIVIL LINES, LUDHIANA-141001 (PUNJAB) INDIA.<br>AN INDIAN PARTNERSHIP FIRM WHOSE PARTNERS ARE:-<br>GAURAV GUPTA & SANDEEP GUPTA BEING INDIAN NATIONALS OF THE ABOVE ADDRESS |                           |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                    | 27/09/2013                |                                                                                      |
| TITLE                                                                                                                                                                                                                   | WINDER FOR MEASURING TAPE |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                             |                           |                                                                                      |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--|------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                  | 257511     |  |  |  |
| CLASS                                                                                                                                                                                                                          | 08-06      |  |  |                                                                                    |
| 1)MANVIRBHAI B. BALSARA., INDIAN NATIONALITY, SOLE PROPRIETOR OF M/S. SHREE SAI INDUSTRIES, INDIAN NATIONALITY, HAVING ADDRESS AT<br>NR. KHOKHADADI BRIDGE, 6, MADHURAM SOC., NR. N.H. RING ROAD, RAJKOT, GUJARAT STATE, INDIA |            |  |  |                                                                                    |
| DATE OF REGISTRATION                                                                                                                                                                                                           | 15/10/2013 |  |  |                                                                                    |
| TITLE                                                                                                                                                                                                                          | HANDLE     |  |  |                                                                                    |
| PRIORITY NA                                                                                                                                                                                                                    |            |  |  |                                                                                    |

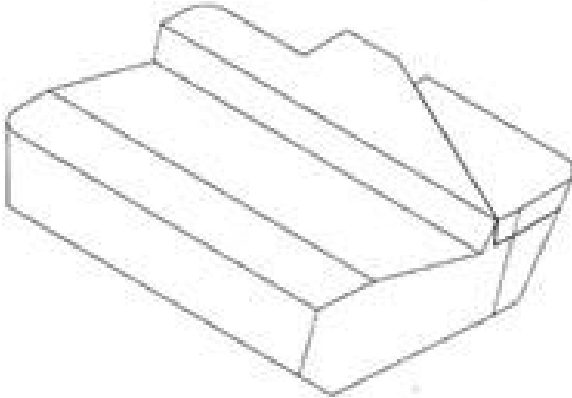
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| DESIGN NUMBER                                                                                                                            | 255980     |  |  |  |
| CLASS                                                                                                                                    | 06-03      |  |  |                                                                                     |
| 1)T. RANJITH KUMAR<br>M/S, G. R. PLASTICS, KRISHANSWAMY TEMPLE ROAD, CHELAMATTOM, PERUMBAVOOR - 683550, ERNAKULAM DISTRICT, KERALA STATE |            |  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                     | 23/08/2013 |  |  |                                                                                     |
| TITLE                                                                                                                                    | TEAPOY     |  |  |                                                                                     |
| PRIORITY NA                                                                                                                              |            |  |  |                                                                                     |

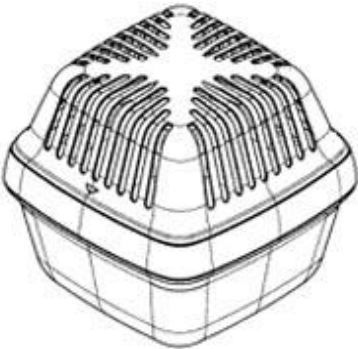
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                             | 256213     |         |  |  |
| CLASS                                                                                                                                                                                                                     | 07-02      |         |  |                                                                                      |
| 1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN, WHOSE POST-OFFICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS |            |         |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                      | 04/09/2013 |         |  |                                                                                      |
| TITLE                                                                                                                                                                                                                     | AIR FRYER  |         |  |                                                                                      |
| PRIORITY                                                                                                                                                                                                                  |            |         |  |                                                                                      |
| PRIORITY NUMBER                                                                                                                                                                                                           | DATE       | COUNTRY |  |                                                                                      |
| 002198499-0001                                                                                                                                                                                                            | 07/03/2013 | OHIM    |  |                                                                                      |
|                                                                                                                                                                                                                           |            |         |  |                                                                                      |
|                                                                                                                                                                                                                           |            |         |  |                                                                                      |

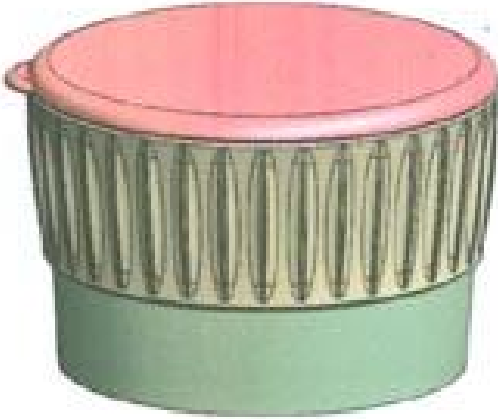


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| DESIGN NUMBER                                                                                                                      | 258505       |  |  |
| CLASS                                                                                                                              | 26-03        |  |                                                                                     |
| 1)NTL ELECTRONICS INDIA LTD., AN INDIAN COMPANY OF THE ADDRESS<br>GURU AMAR DASS, BHAWAN, 78, NEHRU PLACE, NEW DELHI-110019, INDIA |              |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                               | 29/11/2013   |  |                                                                                     |
| TITLE                                                                                                                              | STREET LIGHT |  |                                                                                     |
| PRIORITY NA                                                                                                                        |              |  |                                                                                     |

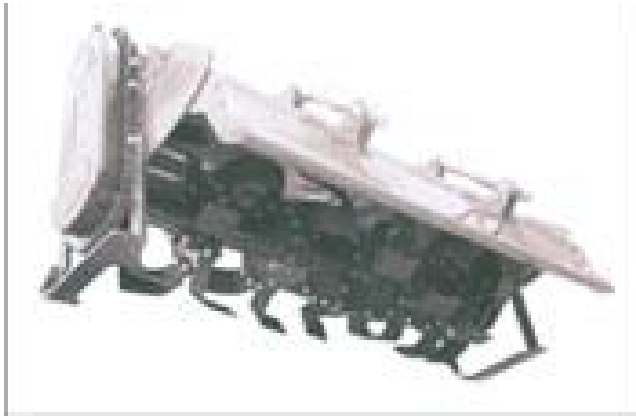
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| DESIGN NUMBER                                                                                                                          | 255495                 |              |  |
| CLASS                                                                                                                                  | 14-01                  |              |                                                                                     |
| 1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY, OF 129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742M REPUBLIC OF KOREA |                        |              |                                                                                     |
| DATE OF REGISTRATION                                                                                                                   | 29/07/2013             |              |                                                                                     |
| TITLE                                                                                                                                  | SERVER FOR SET TOP BOX |              |                                                                                     |
| PRIORITY                                                                                                                               |                        |              |                                                                                     |
| PRIORITY NUMBER                                                                                                                        | DATE                   | COUNTRY      |                                                                                     |
| 30-2013-0005356                                                                                                                        | 30/01/2013             | KOREA(SOUTH) |                                                                                     |

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| DESIGN NUMBER                                                                                                                                                                                    | 255772         |         |  |
| CLASS                                                                                                                                                                                            | 08-03          |         |                                                                                      |
| 1)SUMITOMO ELECTRIC HARDMETAL CORP., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, MANUFACTURERS AND MERCHANTS, OF THE ADDRESS<br>1-1, KOYAKITA 1-CHOME, ITAMI-SHI, HYOGO, JAPAN |                |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                             | 12/08/2013     |         |                                                                                      |
| TITLE                                                                                                                                                                                            | CUTTING INSERT |         |                                                                                      |
| PRIORITY                                                                                                                                                                                         |                |         |                                                                                      |
| PRIORITY NUMBER                                                                                                                                                                                  | DATE           | COUNTRY |                                                                                      |
| 2013-009359                                                                                                                                                                                      | 25/04/2013     | JAPAN   |                                                                                      |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 256281       |                |    |
| CLASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 23-04        |                |                                                                                       |
| 1)HUMEX, S.A., A SPANISH COMPANY OF<br>CTRA. LA CANONJA, NAVE 4, 43110 LA CANONJA (TARRAGONA) ESPAÑA                                                                                                                                                                                                                                                                                                                                                                      |              |                |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 06/09/2013   |                |                                                                                       |
| TITLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DEHUMIDIFIER |                |                                                                                       |
| PRIORITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |                |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DATE         | COUNTRY        |                                                                                       |
| 002244517-0003                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 27/05/2013   | EUROPEAN UNION |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 256348       |                |   |
| CLASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 09-03        |                |                                                                                       |
| 1)MR. IFTEKHAR AHMED., AN INDIAN CITIZEN, AT<br>204, S.C.M. ROAD, BHANGAGARA, JORA ASTHATALA, P.O. BHAI DYABATI,<br>DIST. HOOGHLY, PIN-712222, STATE OF WEST BENGAL, INDIA                                                                                                                                                                                                                                                                                                |              |                |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10/09/2013   |                |                                                                                       |
| TITLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CONTAINER    |                |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                |                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |                |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 257154       |                |  |
| CLASS                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 07-02        |                |                                                                                       |
| 1)MR. GHISULAL RATHOD, MR. PRADEEP RATHOD, MR. PANKAJ RATHOD,<br>MR. GAURAV RATHOD, MRS. SANGEETA RATHOD, MRS. BABITA RATHOD<br>AND MRS. PAMPUBEN RATHOD, ALL INDIAN NATIONALS TRADING UNDER<br>THE NAME AND STYLE OF M/S. CELLO INDUSTRIES, A PARTNERSHIP FIRM<br>REGISTERED UNDER THE PROVISION OF INDIAN PARTNERSHIP ACT, 1932,<br>HAVING OFFICE ADDRESS AT<br>CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD,<br>GOREGAON (EAST), MUMBAI 0400063, MAHARASHTRA |              |                |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 01/10/2013   |                |                                                                                       |
| TITLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CASSEROLE    |                |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |                |                                                                                       |

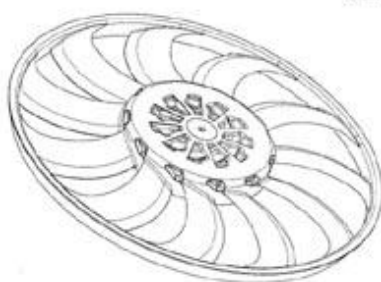
|                                                                                                                                                                                                                                      |                                         |         |  |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                        | 255668                                  |         |  |     |
| CLASS                                                                                                                                                                                                                                | 04-01                                   |         |  |                                                                                       |
| 1)KIMBERLY-CLARK WORLDWIDE, INC., A CORPORATION OF THE STATE OF DELAWARE, USA,<br>OF 2300 WINCHESTER ROAD, NEENAH, WISCONSIN 54956, USA                                                                                              |                                         |         |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                 | 06/08/2013                              |         |  |                                                                                       |
| TITLE                                                                                                                                                                                                                                | MOP HEAD                                |         |  |                                                                                       |
| PRIORITY                                                                                                                                                                                                                             |                                         |         |  |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                                      | DATE                                    | COUNTRY |  |    |
| 29/446769                                                                                                                                                                                                                            | 27/02/2013                              | U.S.A.  |  |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                        | 257522                                  |         |  |                                                                                       |
| CLASS                                                                                                                                                                                                                                | 31-00                                   |         |  |                                                                                       |
| 1)INDIAN PRODUCTS LIMITED, A COMPANY REGISTERED UNDER THE COMPANIES ACT 1956 HAVING ITS REGISTERED OFFICE AT<br>NO. 604, QUEENS CORNER 'A', 3 QUEENS ROAD, BANGALORE-560001.                                                         |                                         |         |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                 | 15/10/2013                              |         |  |                                                                                       |
| TITLE                                                                                                                                                                                                                                | GRINDER JAR                             |         |  |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                          |                                         |         |  |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                        | 257708                                  |         |  |  |
| CLASS                                                                                                                                                                                                                                | 24-01                                   |         |  |                                                                                       |
| 1)M/S. SEVEN STAR HEALTH CARE PVT. LTD (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956) OF<br>A/1, 201, GOKUL SOCIETY, PLOT NO. 14, SECTOR 9A, NERUL, NAVI MUMBAI-400706, MAHARASHTRA, WITHIN THE UNION BANK OF INDIA. |                                         |         |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                 | 24/10/2013                              |         |  |                                                                                       |
| TITLE                                                                                                                                                                                                                                | VACUUM DELIVERY CUP (MEDICAL EQUIPMENT) |         |  |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                          |                                         |         |  |                                                                                       |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                          | 256590                        |  |  |
| CLASS                                                                                                                                                  | 13-01                         |  |                                                                                     |
| 1)MANNEPALLI VENKATA ADITYA NAG,<br>H. NO. 2-2-647/22, CENTRAL EXCISE COLONY, SIVA NANDA NAGAR, BAGH<br>AMBERPET, HYDERABAD-500013, AN INDIAN NATIONAL |                               |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                   | 19/09/2013                    |  |                                                                                     |
| TITLE                                                                                                                                                  | ELECTRICITY GENERATING DEVICE |  |                                                                                     |
| PRIORITY NA                                                                                                                                            |                               |  |                                                                                     |

|                                                                                                                                     |               |         |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                       | 256205        |         |  |
| CLASS                                                                                                                               | 15-03         |         |                                                                                     |
| 1)KUBOTA CORPORATION, A JAPANESE CORPORATION<br>OF<br>2-47, SHIKITSUHIGASHI 1-CHOME, NANIWA-KU, OSAKA-<br>SHI, OSAKA 5568601, JAPAN |               |         |                                                                                     |
| DATE OF<br>REGISTRATION                                                                                                             | 04/09/2013    |         |                                                                                     |
| TITLE                                                                                                                               | ROTARY TILLER |         |                                                                                     |
| PRIORITY                                                                                                                            |               |         |                                                                                     |
| PRIORITY NUMBER                                                                                                                     | DATE          | COUNTRY |                                                                                     |
| 2013-012183                                                                                                                         | 31/05/2013    | JAPAN   |                                                                                     |

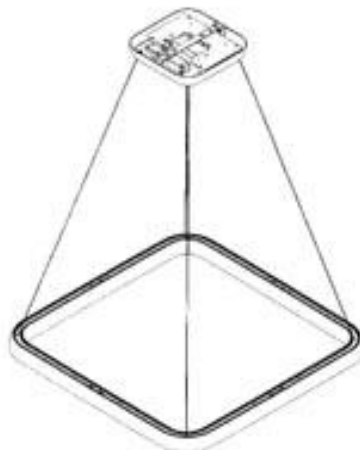
|                                                                                                                                                                                      |                  |  |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                        | 258097           |  |  |
| CLASS                                                                                                                                                                                | 30-03            |  |                                                                                      |
| 1)SWASTIK INDUSTRIES, AN INDIAN PROPRIETORSHIP<br>CONCERN, OF WHICH THE PROPRIETOR IS NEERAJ JAIN, AN<br>INDIAN NATIONAL OF<br>C-37/1 WAZIRPUR INDUSTRIAL AREA, DELHI, 110052, INDIA |                  |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                 | 12/11/2013       |  |                                                                                      |
| TITLE                                                                                                                                                                                | ANIMAL FOOD BOWL |  |                                                                                      |
| PRIORITY NA                                                                                                                                                                          |                  |  |                                                                                      |

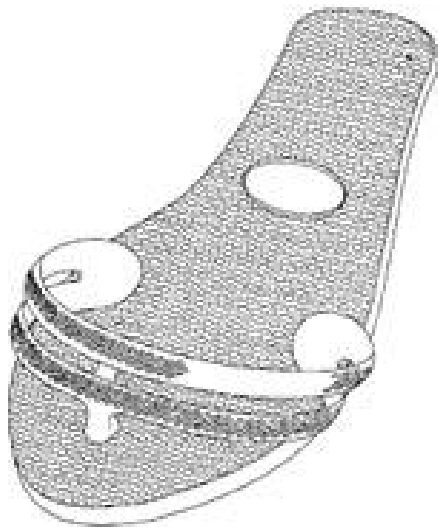
|                                                                                                                                                                                                                                                                                                                               |            |  |  |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                 | 257974     |  |  |  |
| CLASS                                                                                                                                                                                                                                                                                                                         | 07-01      |  |  |                                                                                     |
| 1)BONJOUR INTERNATIONAL, A INDIAN PARTNERSHIP FIRM OF 15 UA JAWAHAR NAGAR, DELHI-110007, INDIA, WHOSE PARTNERS ARE (1) RAMAN GUPTA OF 385, DEEPALI, PITAMPURA, DELHI-110034 (2) RAJESH KUMAR GUPTA OF 384, DEEPALI, PITAMPURA, DELHI-110034 AND (3) REENA GUPTA OF 384, DEEPALI, PITAMPURA, DELHI-110034 ALL INDIAN NATIONALS |            |  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                          | 05/11/2013 |  |  |                                                                                     |
| TITLE                                                                                                                                                                                                                                                                                                                         | FLASK      |  |  |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                                                                                                                                   |            |  |  |                                                                                     |

|                                                                                                            |            |            |         |                                                                                      |
|------------------------------------------------------------------------------------------------------------|------------|------------|---------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                              | 257556     |            |         |  |
| CLASS                                                                                                      | 23-04      |            |         |                                                                                      |
| 1)SPAL AUTOMOTIVE S.R.L., VIA PER CARPI, 26/B, 42015 CORREGGIO (REGGIO EMILIA), ITALY, AN ITALIAN COMPANY. |            |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                       | 17/10/2013 |            |         |                                                                                      |
| TITLE                                                                                                      | FAN UNIT   |            |         |                                                                                      |
| PRIORITY                                                                                                   |            |            |         |                                                                                      |
| PRIORITY NUMBER                                                                                            |            | DATE       | COUNTRY |                                                                                      |
| 001369144-0001                                                                                             |            | 24/04/2013 | OHIM    |                                                                                      |

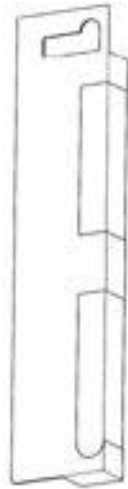
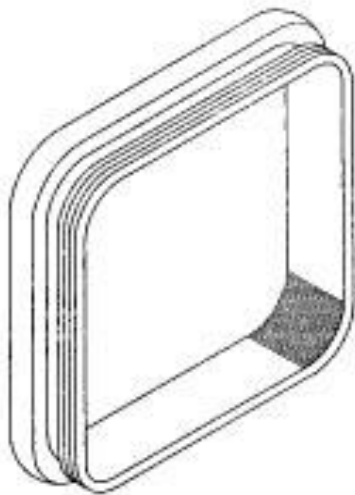
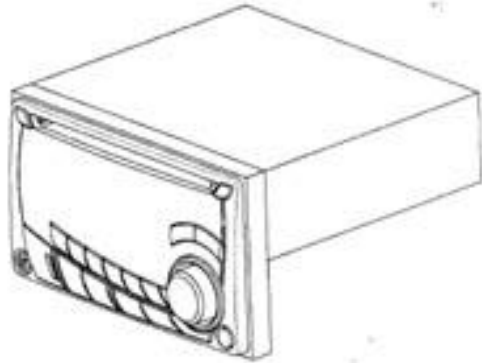
|                                                                                                                                                      |                  |  |  |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                        | 256559           |  |  |  |
| CLASS                                                                                                                                                | 26-03            |  |  |                                                                                       |
| 1)NITIN R. SHENOY, INDIAN NATIONAL, 602, JALTARANG, LOKPURAM, DR. GLADYS ALVARES ROAD, OFF. POKHRAN ROAD NO. 2, THANE (W)-400601, MAHARASHTRA, INDIA |                  |  |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                 | 18/09/2013       |  |  |                                                                                       |
| TITLE                                                                                                                                                | LIGHTING FIXTURE |  |  |                                                                                       |
| PRIORITY NA                                                                                                                                          |                  |  |  |                                                                                       |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                      | 256173     |  |  |  |
| CLASS                                                                                                                                                                                                                                                              | 07-02      |  |  |                                                                                     |
| 1)HARESHBHAI KODARBHAI PRAJAPATI AN INDIAN NATIONAL SOLE PROPRIETOR OF HARIOM SUPPLIERS AN INDIAN PROPRIETORSHIP FIRM HAVING ITS PRINCIPAL PLACE OF BUSINESS AT<br>VILLAGE: CHOTASAN, POST: CHORIWAD, TA: IDAR, DIST: SABARKANTHA, PIN CODE:383 440, GUJARAT-INDIA |            |  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                                                               | 02/09/2013 |  |  |                                                                                     |
| TITLE                                                                                                                                                                                                                                                              | STOVE      |  |  |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                                                                        |            |  |  |                                                                                     |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|---------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                | 256236       |            |         |  |
| CLASS                                                                                                                                                                                                                        | 26-05        |            |         |                                                                                      |
| 1)KONINKLIJKE PHILIPS N.V., A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE KINGDOM OF THE NETHERLANDS, RESIDING AT EINDHOVEN,<br>WHOSE POST-OFFICE ADDRESS IS HIGH TECH CAMPUS 5, 5656 AE EINDHOVEN, THE NETHERLANDS |              |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                         | 05/09/2013   |            |         |                                                                                      |
| TITLE                                                                                                                                                                                                                        | CEILING LAMP |            |         |                                                                                      |
| PRIORITY                                                                                                                                                                                                                     |              |            |         |                                                                                      |
| PRIORITY NUMBER                                                                                                                                                                                                              |              | DATE       | COUNTRY |                                                                                      |
| 002200154-0004                                                                                                                                                                                                               |              | 11/03/2013 | OHIM    |                                                                                      |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                      | 257304     |            |         |  |
| CLASS                                                                                                                                                                                                                              | 02-04      |            |         |                                                                                       |
| 1)ALPARGATAS S.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE BRAZIL WHO ARE BRAZILIAN BY NATIONALITY AND WHOSE ADDRESS IS<br>AV. DOUTOR CARDOSO DE MELO 1336, VILA OLIMPIA, SÃO PAULO, SP, BRAZI, CEP : 04548-005 |            |            |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                               | 08/10/2013 |            |         |                                                                                       |
| TITLE                                                                                                                                                                                                                              | FOOTWEAR   |            |         |                                                                                       |
| PRIORITY                                                                                                                                                                                                                           |            |            |         |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                                    |            | DATE       | COUNTRY |                                                                                       |
| 002288134-0001                                                                                                                                                                                                                     |            | 17/08/2013 | OHIM    |                                                                                       |

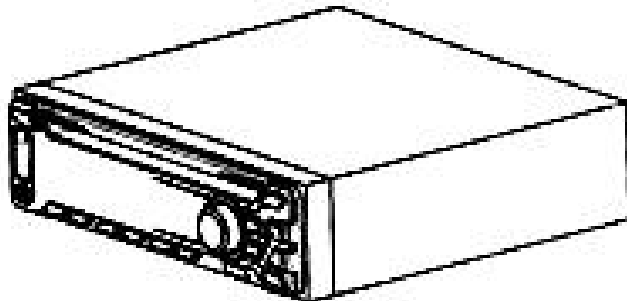
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                                                               | 257276                   |     |
| CLASS                                                                                                                                                                                                                                                                                                                                                                       | 27-02                    |                                                                                       |
| 1)SYNDICATE HANDICRAFTS., AN INDIAN, A PROPRIETARY CONCERN, HAVING ITS PLACE OF BUSINESS AT<br>H-NO 20-4-839, CHOUK KHILWATH, CHARMINAR, HYDERABAD-500002, ANDHRA PRADESH, INDIA                                                                                                                                                                                            |                          |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                                                                        | 08/10/2013               |                                                                                       |
| TITLE                                                                                                                                                                                                                                                                                                                                                                       | CIGAR HOLDER             |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                                                                                                                                                                 |                          |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                                                               | 257797                   |     |
| CLASS                                                                                                                                                                                                                                                                                                                                                                       | 08-08                    |                                                                                       |
| 1)(1) MEHULBHAI D. CHAVDA (2) SOMESHBHAI S. MALIK AND (3) DHIRENBHAI SHAH ALL INDIAN NATIONAL PARTNER OF DMS ARCHITECTURAL PRODUCTS AN INDIAN PARTNERSHIP FIRM HAVING ITS PRINCIPAL PLACE OF BUSINESS AT ADDRESS:<br>PLOT NO. 6, SURVEY NO. 20, EVEREST INDUSTRIAL AREA, NEAR PERFECT (TATA) SHOWROOM, NATIONAL HIGHWAY NO. 8-B, VAVDI-DIST. RAJKOT-360 004, GUJARAT-INDIA. |                          |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                                                                        | 28/10/2013               |                                                                                       |
| TITLE                                                                                                                                                                                                                                                                                                                                                                       | HOOK                     |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                                                                                                                                                                 |                          |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                                                                               | 253365                   |  |
| CLASS                                                                                                                                                                                                                                                                                                                                                                       | 99-00                    |                                                                                       |
| 1)FLEETGUARD FILTERS PRIVATE LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT,<br>AT 'KIRLOSKAR HOUSE', 100, ANAND PARK, AUNDH, PUNE-411007, MAHARASHTRA, INDIA.                                                                                                                                                                                              |                          |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                                                                        | 23/04/2013               |                                                                                       |
| TITLE                                                                                                                                                                                                                                                                                                                                                                       | AIR TANK FOR COMPRESSORS |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                                                                                                                                                                 |                          |                                                                                       |

|                                                                                                                                                                                                                                                                                         |                                            |            |         |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------|---------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                                           | 258862                                     |            |         |   |
| CLASS                                                                                                                                                                                                                                                                                   | 09-05                                      |            |         |                                                                                      |
| 1)COLGATE-PALMOLIVE COMPANY, A DELAWARE CORPORATION,<br>300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA                                                                                                                                                             |                                            |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                    | 19/12/2013                                 |            |         |                                                                                      |
| TITLE                                                                                                                                                                                                                                                                                   | ORAL CARE IMPLEMENT PACKAGE                |            |         |                                                                                      |
| PRIORITY                                                                                                                                                                                                                                                                                |                                            |            |         |                                                                                      |
| PRIORITY NUMBER                                                                                                                                                                                                                                                                         |                                            | DATE       | COUNTRY |  |
| 29/461,014                                                                                                                                                                                                                                                                              |                                            | 17/07/2013 | U.S.A.  |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                                                                                             |                                            |            |         |                                                                                      |
| DESIGN NUMBER                                                                                                                                                                                                                                                                           | 256088                                     |            |         |                                                                                      |
| CLASS                                                                                                                                                                                                                                                                                   | 07-01                                      |            |         |                                                                                      |
| 1)SELVEL INDUSTRIES., INDIAN NATIONAL, 3, 1ST FLOOR, VAKIL INDUSTRIAL ESTATE, WALBHAT ROAD, GOREGAON (EAST), MUMBAI-400063, STATE OF MAHARASHTRA, (INDIA), AN INDIAN NATIONAL, WHOSE PARTNERS ARE 1. PRATEEK CHAMPALAL JAIN 2. VIPUL CHAMPALAL JAIN INDIAN NATIONALS., OF ABOVE ADDRESS |                                            |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                    | 28/08/2013                                 |            |         |                                                                                      |
| TITLE                                                                                                                                                                                                                                                                                   | LID                                        |            |         |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                                                                                             |                                            |            |         |                                                                                      |
| DESIGN NUMBER                                                                                                                                                                                                                                                                           | 256241                                     |            |         |  |
| CLASS                                                                                                                                                                                                                                                                                   | 14-01                                      |            |         |                                                                                      |
| 1)FUJITSU TEN LIMITED, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, HAVING ITS OFFICE AT 2-28, GOSHO-DORI 1-CHOME, HYOGO-KU, KOBE-SHI, HYOGO, 652-8510 JAPAN                                                                                                               |                                            |            |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                    | 05/09/2013                                 |            |         |                                                                                      |
| TITLE                                                                                                                                                                                                                                                                                   | DIGITAL AUDIO DISC PLAYER WITH RADIO TUNER |            |         |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                                                                                             |                                            |            |         |                                                                                      |



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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                        | 257325               |         |   |
| CLASS                                                                                                                                                                                                                | 28-02                |         |                                                                                      |
| 1)ELC MANAGEMENT LLC, A DELAWARE CORPORATION, HAVING AN OFFICE AT<br>155 PINELAWN ROAD, SUITE 345 SOUTH, MELVILLE, NY 11747, USA                                                                                     |                      |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                 | 09/10/2013           |         |                                                                                      |
| TITLE                                                                                                                                                                                                                | LIPSTICK BULLET      |         |                                                                                      |
| PRIORITY                                                                                                                                                                                                             |                      |         |                                                                                      |
| PRIORITY NUMBER                                                                                                                                                                                                      | DATE                 | COUNTRY |                                                                                      |
| 29/452,656                                                                                                                                                                                                           | 19/04/2013           | U.S.A.  |                                                                                      |
|                                                                                                                                                                                                                      |                      |         |                                                                                      |
| DESIGN NUMBER                                                                                                                                                                                                        | 257413               |         |  |
| CLASS                                                                                                                                                                                                                | 26-06                |         |                                                                                      |
| 1)VOLVO LASTVAGNAR AB, OF<br>SE 405 08 GÖTEBORG, SWEDEN                                                                                                                                                              |                      |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                 | 10/10/2013           |         |                                                                                      |
| TITLE                                                                                                                                                                                                                | HEADLAMP FOR VEHICLE |         |                                                                                      |
| PRIORITY                                                                                                                                                                                                             |                      |         |                                                                                      |
| PRIORITY NUMBER                                                                                                                                                                                                      | DATE                 | COUNTRY |                                                                                      |
| 2013/0168                                                                                                                                                                                                            | 11/04/2013           | SWEDEN  |                                                                                      |
|                                                                                                                                                                                                                      |                      |         |                                                                                      |
| DESIGN NUMBER                                                                                                                                                                                                        | 258626               |         |  |
| CLASS                                                                                                                                                                                                                | 12-11                |         |                                                                                      |
| 1)TVS MOTOR COMPANY LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT<br>“JAYALAKSHMI ESTATES”, 29 (OLD NO. 8) HADDOWS ROAD, CHENNAI 600 006, TAMIL NADU, INDIA |                      |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                 | 09/12/2013           |         |                                                                                      |
| TITLE                                                                                                                                                                                                                | MOTORCYCLE           |         |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                          |                      |         |                                                                                      |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                               |  | 256561           |  |  |
| CLASS                                                                                                                                                       |  | 26-03            |  |                                                                                     |
| 1)NITIN R. SHENOY, INDIAN NATIONAL,<br>602, JALTARANG, LOKPURAM, DR. GLADYS ALVARES ROAD, OFF. POKHRAN<br>ROAD NO. 2, THANE (W)-400 601, MAHARASHTRA, INDIA |  |                  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                        |  | 18/09/2013       |  |                                                                                     |
| TITLE                                                                                                                                                       |  | LIGHTING FIXTURE |  |                                                                                     |
| PRIORITY NA                                                                                                                                                 |  |                  |  |                                                                                     |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                         |  | 256240                                        |  |  |
| CLASS                                                                                                                                                                                 |  | 14-01                                         |  |                                                                                     |
| 1)FUJITSU TEN LIMITED, A COMPANY ORGANIZED<br>AND EXISTING UNDER THE LAWS OF JAPAN, HAVING<br>ITS OFFICE AT<br>2-28, GOSHO-DORI 1-CHOME, HYOGO-KU, KOBE-SHI,<br>HYOGO, 652-8510 JAPAN |  |                                               |  |                                                                                     |
| DATE OF<br>REGISTRATION                                                                                                                                                               |  | 05/09/2013                                    |  |                                                                                     |
| TITLE                                                                                                                                                                                 |  | DIGITAL AUDIO DISC PLAYER<br>WITH RADIO TUNER |  |                                                                                     |
| PRIORITY NA                                                                                                                                                                           |  |                                               |  |                                                                                     |

|                                                                                                                                                        |  |                      |         |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|---------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                          |  | 256355               |         |  |
| CLASS                                                                                                                                                  |  | 23-02                |         |                                                                                       |
| 1)KOHLER CO., A COMPANY ORGANIZED AND EXISTING UNDER THE<br>LAW OF USA,<br>OF 444 HIGHLAND DRIVE, KOHLER, WISCONSIN 53044, UNITED STATES<br>OF AMERICA |  |                      |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                   |  | 10/09/2013           |         |                                                                                       |
| TITLE                                                                                                                                                  |  | TOILET TANK WITH LID |         |                                                                                       |
| PRIORITY                                                                                                                                               |  |                      |         |                                                                                       |
| PRIORITY NUMBER                                                                                                                                        |  | DATE                 | COUNTRY |                                                                                       |
| 29/448,365                                                                                                                                             |  | 12/03/2013           | U.S.A.  |                                                                                       |

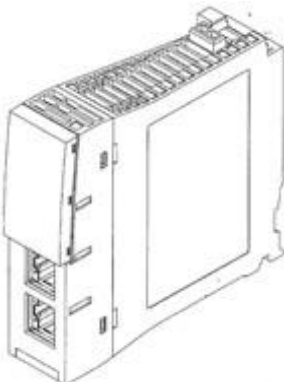
|                                                                                                                                                                                                                                |            |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                  | 257282     |  |
| CLASS                                                                                                                                                                                                                          | 02-05      |                                                                                     |
| 1)M/S UNIVERSAL TRADERS, B-X-506/2, TELLIYAN WALI GALI, NEAR IQBAL GANJ CHOWK, LUDHIANA-141 008 (PUNJAB) INDIA<br>AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:- NEELAM GUPTA BEING INDIAN NATIONALS OF THE ABOVE ADDRESS |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                           | 08/10/2013 |                                                                                     |
| TITLE                                                                                                                                                                                                                          | SHAWL      |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                                    |            |                                                                                     |

|                                                                                                                                                                                       |            |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                         | 257893     |  |
| CLASS                                                                                                                                                                                 | 23-01      |                                                                                     |
| 1)DAYAL CHAND TRADING AS M/S. SIGMA REFRIGERATION WORKS, 3745, SHOP NO. 1 & 7, KUCHA PARMANAND, NETAJI SUBHASH MARG, DARYA GANJ, NEW DELHI-110002, INDIA (A SOLE PROPRIETORSHIP FIRM) |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                  | 31/10/2013 |                                                                                     |
| TITLE                                                                                                                                                                                 | BALL VALVE |                                                                                     |
| PRIORITY NA                                                                                                                                                                           |            |                                                                                     |

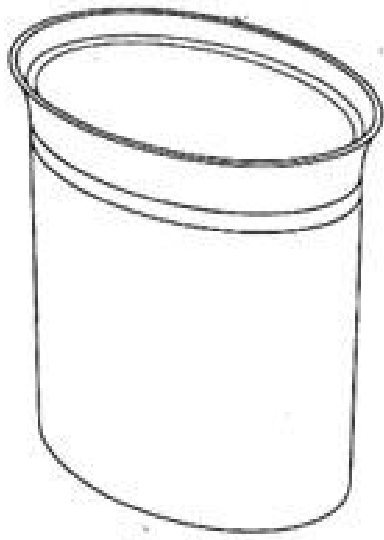
|                                                                                                                                                       |                  |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                         | 256563           |  |
| CLASS                                                                                                                                                 | 26-03            |                                                                                       |
| 1)NITIN R. SHENOY, INDIAN NATIONAL, 602, JALTARANG, LOKPURAM, DR. GLADYS ALVARES ROAD, OFF. POKHRAN ROAD NO. 2, THANE (W)-400 601, MAHARASHTRA, INDIA |                  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                  | 18/09/2013       |                                                                                       |
| TITLE                                                                                                                                                 | LIGHTING FIXTURE |                                                                                       |
| PRIORITY NA                                                                                                                                           |                  |                                                                                       |

|                                                                                                                                                                                                                                |                 |            |         |                                                                                       |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|---------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                  | 257326          |            |         |    |                                                                                       |
| CLASS                                                                                                                                                                                                                          | 28-02           |            |         |                                                                                       |                                                                                       |
| 1)ELC MANAGEMENT LLC, A DELAWARE CORPORATION, HAVING AN OFFICE AT<br>155 PINELAWN ROAD, SUITE 345 SOUTH, MELVILLE, NY 11747, USA                                                                                               |                 |            |         |                                                                                       |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                           | 09/10/2013      |            |         |                                                                                       |                                                                                       |
| TITLE                                                                                                                                                                                                                          | LIPSTICK BULLET |            |         |                                                                                       |                                                                                       |
|                                                                                                                                                                                                                                |                 |            |         |                                                                                       |                                                                                       |
| PRIORITY                                                                                                                                                                                                                       |                 |            |         |                                                                                       |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                                |                 | DATE       | COUNTRY |   |                                                                                       |
| 29/452,657                                                                                                                                                                                                                     |                 | 19/04/2013 | U.S.A.  |                                                                                       |                                                                                       |
|                                                                                                                                                                                                                                |                 |            |         |                                                                                       |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                  |                 |            |         |                                                                                       |  |
| 257285                                                                                                                                                                                                                         |                 |            |         |                                                                                       |                                                                                       |
| CLASS                                                                                                                                                                                                                          |                 |            |         |                                                                                       |                                                                                       |
| 02-05                                                                                                                                                                                                                          |                 |            |         |                                                                                       |                                                                                       |
| 1)M/S UNIVERSAL TRADERS, B-X-506/2, TELLIYAN WALI GALI, NEAR IQBAL GANJ CHOWK, LUDHIANA-141 008 (PUNJAB) INDIA<br>AN INDIAN PROPRIETORSHIP FIRM WHOSE PROPRIETOR IS:- NEELAM GUPTA BEING INDIAN NATIONALS OF THE ABOVE ADDRESS |                 |            |         |                                                                                       |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                           |                 |            |         |                                                                                       |                                                                                       |
| 08/10/2013                                                                                                                                                                                                                     |                 |            |         |                                                                                       |                                                                                       |
| TITLE                                                                                                                                                                                                                          |                 |            |         |                                                                                       |                                                                                       |
| SHAWL                                                                                                                                                                                                                          |                 |            |         |                                                                                       |                                                                                       |
|                                                                                                                                                                                                                                |                 |            |         |                                                                                       |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                    |                 |            |         |                                                                                       |                                                                                       |
|                                                                                                                                                                                                                                |                 |            |         |                                                                                       |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                  |                 |            |         |  |                                                                                       |
| 258156                                                                                                                                                                                                                         |                 |            |         |                                                                                       |                                                                                       |
| CLASS                                                                                                                                                                                                                          |                 |            |         |                                                                                       |                                                                                       |
| 02-02                                                                                                                                                                                                                          |                 |            |         |                                                                                       |                                                                                       |
| 1)TAHILIANI DESIGN PRIVATE LIMITED, WHICH IS OF THE ADDRESS<br>708, PACE CITY-2, SECTOR-37, PART-II, GURGAON (HARYANA), A COMPANY INCORPORATED UNDER THE LAWS OF INDIA                                                         |                 |            |         |                                                                                       |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                           |                 |            |         |                                                                                       |                                                                                       |
| 14/11/2013                                                                                                                                                                                                                     |                 |            |         |                                                                                       |                                                                                       |
| TITLE                                                                                                                                                                                                                          |                 |            |         |                                                                                       |                                                                                       |
| GARMENT                                                                                                                                                                                                                        |                 |            |         |                                                                                       |                                                                                       |
|                                                                                                                                                                                                                                |                 |            |         |                                                                                       |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                    |                 |            |         |                                                                                       |                                                                                       |

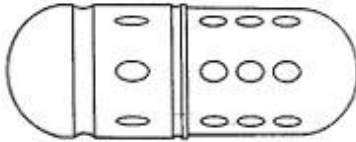
|                                                                                                                                                                                                                                                                                                                         |            |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                                                                           | 255934     |  |
| CLASS                                                                                                                                                                                                                                                                                                                   | 11-02      |                                                                                     |
| 1)SATISH GOKHALE, INDIAN NATIONAL OF DESIGN DIRECTIONS PVT. LTD., 828, RAJEEV, SHIVAJINAGAR, BHANDARKAR ROAD, LANE #13, PUNE-411004, MAHARASHTRA, INDIA AND YUVRAJ SINGH AHUJA, INDIAN NATIONAL OF FRONTIER POLYMERS PVT. LTD.,<br>B-1/H-2, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI-110044, INDIA |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                                    | 21/08/2013 |                                                                                     |
| TITLE                                                                                                                                                                                                                                                                                                                   | PLANTER    |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                                                                                                                             |            |                                                                                     |

|                                                                                                                                                                                                                 |                                                          |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                   | 256575                                                   |  |
| CLASS                                                                                                                                                                                                           | 13-03                                                    |                                                                                      |
| 1)MITSUBISHI ELECTRIC CORPORATION, A JAPANESE COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, MANUFACTURERS AND MERCHANTS, OF THE ADDRESS<br>7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8310, JAPAN |                                                          |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                            | 18/09/2013                                               |                                                                                      |
| TITLE                                                                                                                                                                                                           | PROGRAMMABLE CONTROLLER FOR PRODUCTION LINE IN A FACTORY |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                     |                                                          |                                                                                      |

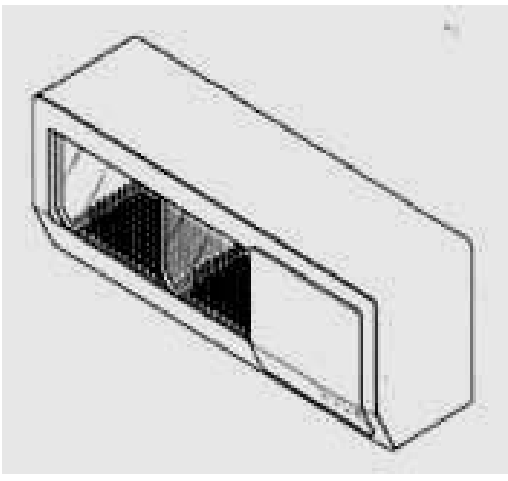
|                                                                                                                                                                                |                          |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                  | 257335                   |  |
| CLASS                                                                                                                                                                          | 08-09                    |                                                                                       |
| 1)DORMA INDIA PRIVATE LIMITED, COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT<br>NO. 14, PATTULOS ROAD, CHENNAI-600002, TAMIL NADU, INDIA |                          |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                           | 09/10/2013               |                                                                                       |
| TITLE                                                                                                                                                                          | STRUCTURAL METAL FITTING |                                                                                       |
| PRIORITY NA                                                                                                                                                                    |                          |                                                                                       |

|                                                                                                                                                                   |            |            |         |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                     | 257168     |            |         |  |
| CLASS                                                                                                                                                             | 09-01      |            |         |                                                                                     |
| 1)UNILEVER PLC, A COMPANY REGISTERED IN ENGLAND AND WALES UNDER COMPANY NO. 41424 OF<br>UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED KINGDOM |            |            |         |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                              | 03/10/2013 |            |         |                                                                                     |
| TITLE                                                                                                                                                             | CONTAINER  |            |         |                                                                                     |
| PRIORITY                                                                                                                                                          |            |            |         |                                                                                     |
| PRIORITY NUMBER                                                                                                                                                   |            | DATE       | COUNTRY |                                                                                     |
| 002214452-0001                                                                                                                                                    |            | 05/04/2013 | OHIM    |                                                                                     |
| PRIORITY NA                                                                                                                                                       |            |            |         |                                                                                     |

|                                                                                                                  |            |  |  |                                                                                      |
|------------------------------------------------------------------------------------------------------------------|------------|--|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                    | 257289     |  |  |  |
| CLASS                                                                                                            | 02-04      |  |  |                                                                                      |
| 1)THAIKATTIL JOSE,<br>THAIKATTIL HOUSE, OLLUKARA P.O., THRISSUR, KERALA STATE, 680655, INDIA, AN INDIAN NATIONAL |            |  |  |                                                                                      |
| DATE OF REGISTRATION                                                                                             | 08/10/2013 |  |  |                                                                                      |
| TITLE                                                                                                            | FOOTWEAR   |  |  |                                                                                      |
| PRIORITY NA                                                                                                      |            |  |  |                                                                                      |

|                                                                                                                   |                                      |  |  |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                     | 231521                               |  |  |  |
| CLASS                                                                                                             | 09-05                                |  |  |                                                                                       |
| 1)KARTIK P.BHATT,<br>"PINAKPANI" BUNGALOW, OPPOSITE SAUMIL APARTMNT, BHIKHABHAI ROAD, V.V. NAGAR 388121, GUJARAT, |                                      |  |  |                                                                                       |
| DATE OF REGISTRATION                                                                                              | 20/09/2010                           |  |  |                                                                                       |
| TITLE                                                                                                             | CAPSULE FOR PHARMACEUTICALS PRODUCTS |  |  |                                                                                       |
| PRIORITY NA                                                                                                       |                                      |  |  |                                                                                       |

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|------------------------------------------------------------------------------------------------------------------------------------------|------------|--|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                            | 259074     |  |  |
| CLASS                                                                                                                                    | 13-01      |  |                                                                                     |
| 1)CROMPTON GREAVES LIMITED,<br>CG HOUSE, 6TH FLOOR, DR. ANNIE BESANT ROAD, WORLI, MUMBAI - 400030, MAHARASHTRA, INDIA; AN INDIAN COMPANY |            |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                     | 27/12/2013 |  |                                                                                     |
| TITLE                                                                                                                                    | MOTOR      |  |                                                                                     |
| PRIORITY NA                                                                                                                              |            |  |                                                                                     |

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|-------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                             | 255834      |              |  |
| CLASS                                                                                                                                     | 15-05       |              |                                                                                     |
| 1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY,<br>OF 129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742M REPUBLIC OF KOREA |             |              |                                                                                     |
| DATE OF REGISTRATION                                                                                                                      | 14/08/2013  |              |                                                                                     |
| TITLE                                                                                                                                     | DISH WASHER |              |                                                                                     |
| PRIORITY                                                                                                                                  |             |              |                                                                                     |
| PRIORITY NUMBER                                                                                                                           | DATE        | COUNTRY      |                                                                                     |
| 30-2013-0007671                                                                                                                           | 14/02/2013  | KOREA(SOUTH) |                                                                                     |
|                                                                                                                                           |             |              |                                                                                     |

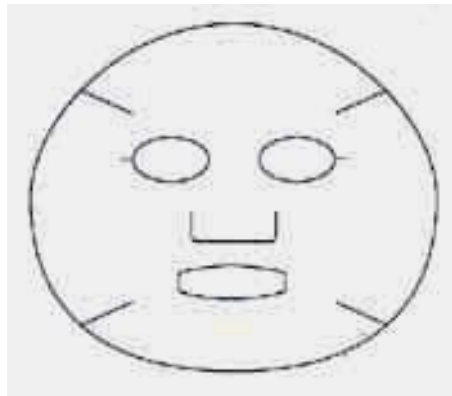
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                       | 258633     |  |  |
| CLASS                                                                                                                                                                               | 09-01      |  |                                                                                       |
| 1)MR. SANDEEP SHRIVASTAV, AN INDIAN CITIZEN, PROPRIETOR OF M/S. JDJ BEVERAGES PVT. LTD, AN INDIAN PROPRIETORSHIP COMPANY OF<br>B-2/115, SAFDARJUNG ENCLAVE, NEW DELHI-110029, INDIA |            |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                | 09/12/2013 |  |                                                                                       |
| TITLE                                                                                                                                                                               | BOTTLE     |  |                                                                                       |
| PRIORITY NA                                                                                                                                                                         |            |  |                                                                                       |

|                                                                                                                    |                        |                                                                                    |
|--------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                      | 256566                 |  |
| CLASS                                                                                                              | 08-03                  |                                                                                    |
| 1)NAVEEN SHARMA,<br>A-4, PRAHLAD MARKET, KAROL BAGH, NEW DELHI-110005<br>INDIA AN INDIAN NATIONAL OF ABOVE ADDRESS |                        |                                                                                    |
| DATE OF REGISTRATION                                                                                               | 18/09/2013             |                                                                                    |
| TITLE                                                                                                              | COVER FOR CIRCULAR SAW |                                                                                    |
| PRIORITY NA                                                                                                        |                        |                                                                                    |

|                                                                                                                                                                                         |                          |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                           | 257334                   |  |
| CLASS                                                                                                                                                                                   | 08-09                    |                                                                                     |
| 1)DORMA INDIA PRIVATE LIMITED, COMPANY<br>INCORPORATED UNDER THE COMPANIES ACT, 1956, HAVING<br>ITS REGISTERED OFFICE AT<br>NO. 14, PATTULOS ROAD, CHENNAI-600002, TAMIL NADU,<br>INDIA |                          |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                    | 09/10/2013               |                                                                                     |
| TITLE                                                                                                                                                                                   | STRUCTURAL METAL FITTING |                                                                                     |
| PRIORITY NA                                                                                                                                                                             |                          |                                                                                     |

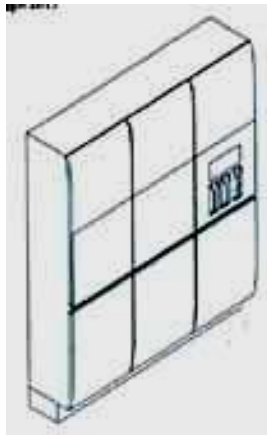
|                                                                                                                                                                           |            |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                             | 258161     |  |
| CLASS                                                                                                                                                                     | 02-02      |                                                                                       |
| 1)TAHILIANI DESIGN PRIVATE LIMITED, WHICH IS OF THE ADDRESS<br>708, PACE CITY-2, SECTOR-37, PART-II, GURGAON (HARYANA), A<br>COMPANY INCORPORATED UNDER THE LAWS OF INDIA |            |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                      | 14/11/2013 |                                                                                       |
| TITLE                                                                                                                                                                     | GARMENT    |                                                                                       |
| PRIORITY NA                                                                                                                                                               |            |                                                                                       |



|                                                                                                                                                                                                                                |            |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                  | 256109     |  |
| CLASS                                                                                                                                                                                                                          | 28-03      |                                                                                     |
| 1)SHANGHAI BIOSCIENCE CO., LTD. A LIMITED LIABILITY COMPANY INCORPORATED UNDER THE LAWS OF THE CHINA, WHOSE ADDRESS IS PART 223, 2ND FLOOR, BUILDING 3, NO. 188, AONA ROAD, WAIGAOQIAO FREE TRADE ZONE, SHANGHAI, 200131 CHINA |            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                           | 29/08/2013 |                                                                                     |
| TITLE                                                                                                                                                                                                                          | FACE MASK  |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                                    |            |                                                                                     |

|                                                                                                                                                                             |                          |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                               | 257336                   |  |
| CLASS                                                                                                                                                                       | 08-09                    |                                                                                      |
| 1)DORMA INDIA PRIVATE LIMITED, COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT NO. 14, PATTULOS ROAD, CHENNAI-600002, TAMIL NADU, INDIA |                          |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                        | 09/10/2013               |                                                                                      |
| TITLE                                                                                                                                                                       | STRUCTURAL METAL FITTING |                                                                                      |
| PRIORITY NA                                                                                                                                                                 |                          |                                                                                      |

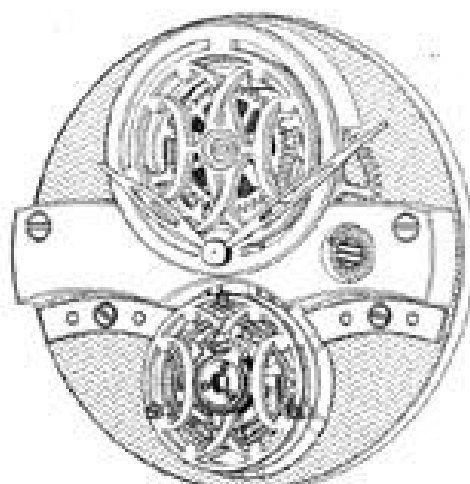
|                                                                                                                                                                     |            |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                       | 258166     |  |
| CLASS                                                                                                                                                               | 02-05      |                                                                                       |
| 1)TAHILIANI DESIGN PRIVATE LIMITED, WHICH IS OF THE ADDRESS 708, PACE CITY-2, SECTOR-37, PART-II, GURGAON (HARYANA), A COMPANY INCORPORATED UNDER THE LAWS OF INDIA |            |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                | 14/11/2013 |                                                                                       |
| TITLE                                                                                                                                                               | PAREO      |                                                                                       |
| PRIORITY NA                                                                                                                                                         |            |                                                                                       |

|                                                                                                                                                                                                                                   |                      |              |  |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                     | 255835               |              |  |    |
| CLASS                                                                                                                                                                                                                             | 15-07                |              |  |                                                                                       |
| 1)SAMSUNG ELECTRONICS CO., LTD., A KOREAN COMPANY,<br>OF 129, SAMSUNG-RO, YEONGTONG-GU, SUWON-SI, GYEONGGI-DO, 443-742M REPUBLIC OF KOREA                                                                                         |                      |              |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                              | 14/08/2013           |              |  |                                                                                       |
| TITLE                                                                                                                                                                                                                             | REFRIGERATOR         |              |  |                                                                                       |
| PRIORITY                                                                                                                                                                                                                          |                      |              |  |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                                   | DATE                 | COUNTRY      |  |                                                                                       |
| 30-2013-0007682                                                                                                                                                                                                                   | 14/02/2013           | KOREA(SOUTH) |  |                                                                                       |
|                                                                                                                                                                                                                                   |                      |              |  |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                     | 254576               |              |  |   |
| CLASS                                                                                                                                                                                                                             | 24-01                |              |  |                                                                                       |
| 1)DRÄGER MEDICAL GMBH OF<br>MOISLINGER ALLEE 53-55, D-23558 LÜBECK, GERMANY                                                                                                                                                       |                      |              |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                              | 19/06/2013           |              |  |                                                                                       |
| TITLE                                                                                                                                                                                                                             | MEDICAL SUPPLY UNIT  |              |  |                                                                                       |
| PRIORITY                                                                                                                                                                                                                          |                      |              |  |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                                   | DATE                 | COUNTRY      |  |                                                                                       |
| 002157024-0004                                                                                                                                                                                                                    | 20/12/2012           | OHIM         |  |                                                                                       |
|                                                                                                                                                                                                                                   |                      |              |  |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                                     | 258635               |              |  |  |
| CLASS                                                                                                                                                                                                                             | 31-00                |              |  |                                                                                       |
| 1)MR. PIYUSH JINDAL, AN INDIAN CITIZEN, PROPRIETOR OF M/S.<br>KPR INTERNATIONAL PVT. LTD., AN INDIAN PROPRIETORSHIP<br>COMPANY OF<br>PLOT NO. 13A/11, SITE-II, LONI ROAD, INDUSTRIAL AREA, MOHAN<br>NAGAR, GHAZIABAD, (UP), INDIA |                      |              |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                              | 09/12/2013           |              |  |                                                                                       |
| TITLE                                                                                                                                                                                                                             | JUICER MIXER GRINDER |              |  |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                       |                      |              |  |                                                                                       |

|                                                                                                                 |                 |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                   | 256553          |  |
| CLASS                                                                                                           | 31-00           |                                                                                     |
| 1)THOMAS GEORGE,<br>MAMPUZHACKAL(HOUSE), CHEMPERI (P.O.), KANNUER (DT), KERALA, PIN-670632, NATIONALITY: INDIAN |                 |                                                                                     |
| DATE OF REGISTRATION                                                                                            | 18/09/2013      |                                                                                     |
| TITLE                                                                                                           | COCONUT SCRAPER |                                                                                     |
| PRIORITY NA                                                                                                     |                 |                                                                                     |

|                                                                                                                                                                                                    |                            |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                      | 258454                     |  |
| CLASS                                                                                                                                                                                              | 09-03                      |                                                                                     |
| 1)SHRI MAA DISTRIBUTIONS INDIA PVT. LTD., AN INDIAN COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1956, HAVING ITS ADDRESS AT<br>1107, HEMKUNT HOUSE, 6 RAJENDRA PLACE, DELHI-110008, INDIA |                            |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                               | 28/11/2013                 |                                                                                     |
| TITLE                                                                                                                                                                                              | TRAY FOR PACKING CHOCOLATE |                                                                                     |
| PRIORITY NA                                                                                                                                                                                        |                            |                                                                                     |

|                                                                                                                                                                                |            |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                  | 258018     |  |
| CLASS                                                                                                                                                                          | 09-01      |                                                                                       |
| 1)GODREJ CONSUMER PRODUCTS LIMITED, AN INDIAN COMPANY WHOSE ADDRESS IS<br>PIROJSHANAGAR, EASTERN EXPRESS HIGHWAY, VIKHROLI EAST, MUMBAI-400079, MAHARASHTRA, AN INDIAN COMPANY |            |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                           | 07/11/2013 |                                                                                       |
| TITLE                                                                                                                                                                          | BOTTLE     |                                                                                       |
| PRIORITY NA                                                                                                                                                                    |            |                                                                                       |

|                                                                                                     |            |         |                                                                                     |
|-----------------------------------------------------------------------------------------------------|------------|---------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                       | 255670     |         |  |
| CLASS                                                                                               | 10-07      |         |                                                                                     |
| 1)LA MONTRE HERMES S.A., A SWISS SOCIÉTÉ ANONYME,<br>ERLENSTRASSE 31 A, CH-2555, BRÜGG, SWITZERLAND |            |         |                                                                                     |
| DATE OF REGISTRATION                                                                                | 06/08/2013 |         |                                                                                     |
| TITLE                                                                                               | WATCH DIAL |         |                                                                                     |
|                                                                                                     |            |         |                                                                                     |
| PRIORITY                                                                                            |            |         |                                                                                     |
| PRIORITY NUMBER                                                                                     | DATE       | COUNTRY |                                                                                     |
| 719159501                                                                                           | 07/02/2013 | WIPO    |                                                                                     |
|                                                                                                     |            |         |                                                                                     |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                | 256018     |  |  |
| CLASS                                                                                                                                                                                                                                                        | 23-04      |  |                                                                                      |
| 1)VEGO HOME SCIENCE PRIVATE LIMITED, AN INDIAN COMPANY<br>INCORPORATED UNDER THE COMPANIES ACT OF 1956, HAVING ITS<br>REGISTERED ADDRESS AT<br>GALA NO. 1, JAYATI APARTMENT, NEW LINK ROAD, OPPOSITE SYMPHONY<br>TOWER, KANDIVALI WEST, MUMBAI-400067, INDIA |            |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                                                         | 23/08/2013 |  |                                                                                      |
| TITLE                                                                                                                                                                                                                                                        | AIR COOLER |  |                                                                                      |
|                                                                                                                                                                                                                                                              |            |  |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                                                                  |            |  |                                                                                      |

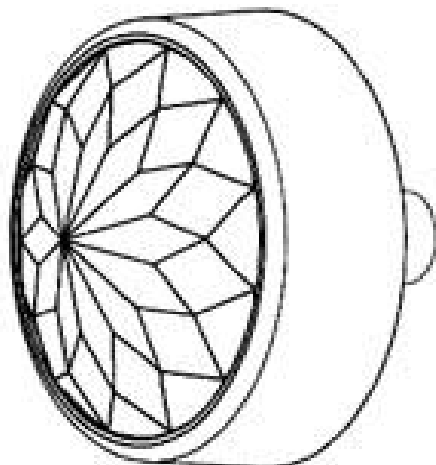
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|---------------------------------------------------------|-------------------------|---------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                           | 257397                  |         |  |
| CLASS                                                   | 12-16                   |         |                                                                                      |
| 1)VOLVO LASTVAGNAR AB, OF<br>SE 405 08 GÖTEBORG, SWEDEN |                         |         |                                                                                      |
| DATE OF REGISTRATION                                    | 10/10/2013              |         |                                                                                      |
| TITLE                                                   | FRONT PANEL FOR VEHICLE |         |                                                                                      |
|                                                         |                         |         |                                                                                      |
| PRIORITY                                                |                         |         |                                                                                      |
| PRIORITY NUMBER                                         | DATE                    | COUNTRY |                                                                                      |
| 2013/0148                                               | 11/04/2013              | SWEDEN  |                                                                                      |

|                                                                                                                                                                                                                     |                  |             |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                       | 256218           |             |    |                                                                                       |
| CLASS                                                                                                                                                                                                               | 23-02            |             |                                                                                       |                                                                                       |
| 1) KOHLER CO., A COMPANY ORGANIZED AND EXISTING UNDER THE LAW OF USA,<br>OF 444 HIGHLAND DRIVE, KOHLER, WISCONSIN 53044, UNITED STATES OF AMERICA                                                                   |                  |             |                                                                                       |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                | 04/09/2013       |             |                                                                                       |                                                                                       |
| TITLE                                                                                                                                                                                                               | WATER CLOSET     |             |                                                                                       |                                                                                       |
| PRIORITY                                                                                                                                                                                                            |                  |             |    |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                     | DATE             | COUNTRY     |                                                                                       |                                                                                       |
| 29/448,058                                                                                                                                                                                                          | 08/03/2013       | U.S.A.      |                                                                                       |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                       |                  |             |                                                                                       |  |
| CLASS                                                                                                                                                                                                               |                  |             |                                                                                       |                                                                                       |
| 1) DHEERAJ FOOT CRAFT INDIA PVT. LTD (DULY INCORPORATED UNDER THE PROVISION OF THE COMPANY ACT, 1956) AT<br>103, SECTOR-3, HSIIDC, KARNAL-132001 (HARYANA), WHOSE DIRECTOR IS MANISH BHANDARI, OF THE ABOVE ADDRESS |                  |             |                                                                                       |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                | 10/09/2013       |             |                                                                                       |                                                                                       |
| TITLE                                                                                                                                                                                                               | SOLE OF FOOTWEAR |             |                                                                                       |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                         |                  |             |  |                                                                                       |
| DESIGN NUMBER                                                                                                                                                                                                       | 254526           |             |                                                                                       |                                                                                       |
| CLASS                                                                                                                                                                                                               | 07-02            |             |                                                                                       |                                                                                       |
| 1) SOCIÉTÉ DES PRODUITS NESTLÉ S.A. A COMPANY INCORPORATED UNDER THE LAWS OF THE SWITZERLAND HAVING ITS REGISTERED OFFICE<br>AT 1800 VEVEY, SWITZERLAND                                                             |                  |             |                                                                                       |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                | 17/06/2013       |             |                                                                                       |                                                                                       |
| TITLE                                                                                                                                                                                                               | COFFEE MACHINE   |             |  |                                                                                       |
| PRIORITY                                                                                                                                                                                                            |                  |             |                                                                                       |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                                                                     | DATE             | COUNTRY     |                                                                                       |                                                                                       |
| 139427                                                                                                                                                                                                              | 21/12/2012       | SWITZERLAND |                                                                                       |                                                                                       |
|                                                                                                                                                                                                                     |                  |             |                                                                                       |                                                                                       |

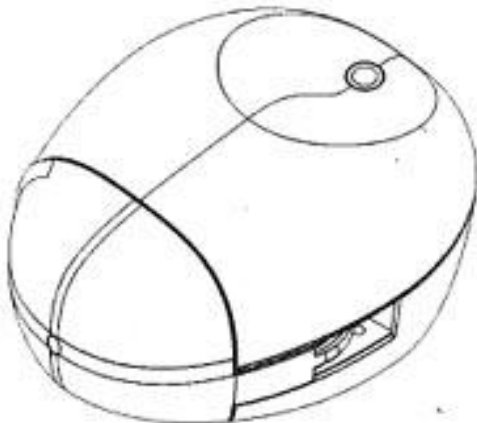
|                                                                                                                                   |                         |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                     | 258654                  |  |
| CLASS                                                                                                                             | 26-06                   |                                                                                     |
| 1)MINDA INDUSTRIES LTD. (LIGHTING DIVISION), AN INDIAN COMPANY OF<br>34-35, K.M. G. T. ROAD, VILL. SONIPAT, HARYANA-131029, INDIA |                         |                                                                                     |
| DATE OF REGISTRATION                                                                                                              | 10/12/2013              |                                                                                     |
| TITLE                                                                                                                             | HOOD LAMP FOR A TRACTOR |                                                                                     |
| PRIORITY NA                                                                                                                       |                         |                                                                                     |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                            | 256560           |  |
| CLASS                                                                                                                                                    | 26-03            |                                                                                      |
| 1)NITIN R. SHENOY, INDIAN NATIONAL,<br>602, JALTARANG, LOKPURAM, DR. GLADYS ALVARES ROAD, OFF. POKHRAN ROAD NO. 2, THANE (W)-400 601, MAHARASHTRA, INDIA |                  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                     | 18/09/2013       |                                                                                      |
| TITLE                                                                                                                                                    | LIGHTING FIXTURE |                                                                                      |
| PRIORITY NA                                                                                                                                              |                  |                                                                                      |

|                                                                                                                                                                                                                                                                    |               |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                      | 256174        |  |
| CLASS                                                                                                                                                                                                                                                              | 23-04         |                                                                                       |
| 1)HARESHBHAI KODARBHAI PRAJAPATI AN INDIAN NATIONAL SOLE PROPRIETOR OF HARIOM SUPPLIERS AN INDIAN PROPRIETORSHIP FIRM HAVING ITS PRINCIPAL PLACE OF BUSINESS AT<br>VILLAGE: CHOTASAN, POST: CHORIWAD, TA: IDAR, DIST: SABARKANTHA, PIN CODE:383 440, GUJARAT-INDIA |               |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                                               | 02/09/2013    |                                                                                       |
| TITLE                                                                                                                                                                                                                                                              | FAN FOR STOVE |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                                                        |               |                                                                                       |

|                                                                                                                                                                              |                                      |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                | 256239                               |  |
| CLASS                                                                                                                                                                        | 14-01                                |                                                                                     |
| 1)FUJITSU TEN LIMITED, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, HAVING ITS OFFICE AT<br>2-28, GOSHO-DORI 1-CHOME, HYOGO-KU, KOBE-SHI, HYOGO, 652-8510 JAPAN |                                      |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                         | 05/09/2013                           |                                                                                     |
| TITLE                                                                                                                                                                        | CONTROL KNOB FOR CAR AUDIO EQUIPMENT |                                                                                     |
| PRIORITY NA                                                                                                                                                                  |                                      |                                                                                     |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                    | 257277       |  |
| CLASS                                                                                                                                                                            | 27-02        |                                                                                      |
| 1)SYNDICATE HANDICRAFTS., AN INDIAN, A PROPRIETARY CONCERN, HAVING ITS PLACE OF BUSINESS AT<br>H-NO 20-4-839, CHOUK KHILWATH, CHARMINAR, HYDERABAD-500002, ANDHRA PRADESH, INDIA |              |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                             | 08/10/2013   |                                                                                      |
| TITLE                                                                                                                                                                            | CIGAR HOLDER |                                                                                      |
| PRIORITY NA                                                                                                                                                                      |              |                                                                                      |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                      | 258931     |  |
| CLASS                                                                                                                                                                                                                                                              | 24-04      |                                                                                      |
| 1)GLENMARK PHARMACEUTICALS LIMITED, AN INDIAN COMPANY REGISTERED UNDER THE COMPANIES ACT, 1956, AND HAVING ITS OFFICE AT<br>GLENMARK HOUSE, HDO - CORPORATE BLDG, WING A, B. D. SAWANT MARG, CHAKALA, ANDHERI (EAST), MUMBAI - 400099, STATE OF MAHARASHTRA, INDIA |            |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                                                                                                                               | 23/12/2013 |                                                                                      |
| TITLE                                                                                                                                                                                                                                                              | INHALER    |                                                                                      |
| PRIORITY NA                                                                                                                                                                                                                                                        |            |                                                                                      |

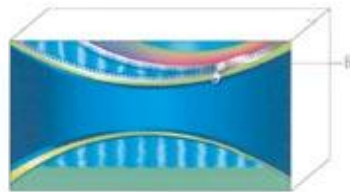
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                | 255812     |  |  |
| CLASS                                                                                                                                                                                        | 07-02      |  |                                                                                    |
| 1)MRS. SIMPLE (PROPRIETOR), NATIONALITY INDIAN TRADING AS TULIP INDUSTRIES (THIS IS A PROPRIETORSHIP FIRM) WHOES ADDRESS IS<br>C-130, SECTOR-3, BAWANA INDUSTRIAL AREA, DELHI-110039 (INDIA) |            |  |                                                                                    |
| DATE OF REGISTRATION                                                                                                                                                                         | 14/08/2013 |  |                                                                                    |
| TITLE                                                                                                                                                                                        | PLATE      |  |                                                                                    |
| PRIORITY NA                                                                                                                                                                                  |            |  |                                                                                    |

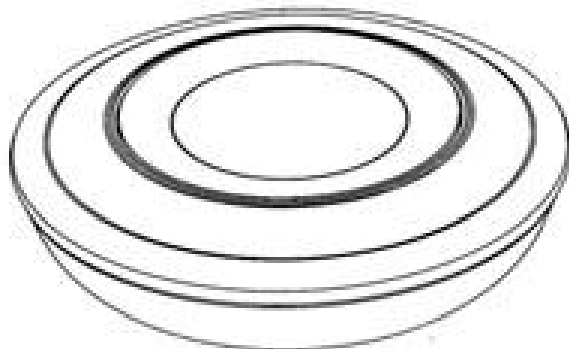
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                                                                                                                                                        | 256096     |  |  |
| CLASS                                                                                                                                                                                                                                                                                                | 06-09      |  |                                                                                       |
| 1)CRAYTOP SOLUTIONS PVT. LTD. OF REGD. OFFICE:- B-80, SHASTRI NAGAR, JODHPUR-342003 (RAJASTHAN) & CORPORATE OFFICE:- E-4, SUVIDHA COMPLEX, SHASTRI NAGAR, JODHPUR-342003 (RAJASTHAN), INDIA,<br>AN INDIAN PRIVATE LIMITED COMPANY WHOSE DIRECTOR IS KAPIL SANCHETI, INDIAN NATIONAL OF ABOVE ADDRESS |            |  |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                                                 | 28/08/2013 |  |                                                                                       |
| TITLE                                                                                                                                                                                                                                                                                                | BACKREST   |  |                                                                                       |
| PRIORITY NA                                                                                                                                                                                                                                                                                          |            |  |                                                                                       |

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|-----------------------------------------------------------------------------------------|--------------------------|---------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                           | 256587                   |         |  |
| CLASS                                                                                   | 26-03                    |         |                                                                                       |
| 1)SCHREDER S.A. OF<br>RUE DE LUSAMBO, 67, B. 1190 BRUXELLES, BELGIUM, A BELGIUM COMPANY |                          |         |                                                                                       |
| DATE OF REGISTRATION                                                                    | 18/09/2013               |         |                                                                                       |
| TITLE                                                                                   | OUTDOOR LIGHTING FIXTURE |         |                                                                                       |
| PRIORITY                                                                                |                          |         |                                                                                       |
| PRIORITY NUMBER                                                                         | DATE                     | COUNTRY |                                                                                       |
| 001370456-0001                                                                          | 03/05/2013               | OHIM    |                                                                                       |



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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                      | 256626                                       |         |    |
| CLASS                                                                                                                                                              | 23-01                                        |         |                                                                                       |
| 1)UNILEVER PLC, A COMPANY REGISTERED IN ENGLAND AND WALES UNDER COMPANY NO. 41424 OF<br>UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED KINGDOM  |                                              |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                               | 19/09/2013                                   |         |                                                                                       |
| TITLE                                                                                                                                                              | WATER PURIFICATION DEVICE                    |         |                                                                                       |
| PRIORITY                                                                                                                                                           |                                              |         |                                                                                       |
| PRIORITY NUMBER                                                                                                                                                    | DATE                                         | COUNTRY |                                                                                       |
| 002205559                                                                                                                                                          | 20/03/2013                                   | OHIM    |                                                                                       |
| PRIORITY                                                                                                                                                           |                                              |         |                                                                                       |
| DESIGN NUMBER                                                                                                                                                      | 256137                                       |         |   |
| CLASS                                                                                                                                                              | 12-16                                        |         |                                                                                       |
| 1)DEERE & COMPANY, A US CORPORATION OF<br>ONE JOHN DEERE PLACE, MOLINE, ILLINOIS, 61265 - 8098, USA                                                                |                                              |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                               | 30/08/2013                                   |         |                                                                                       |
| TITLE                                                                                                                                                              | TELESCOPIC ROLL OVER PROTECTIVE STRUCTURE    |         |                                                                                       |
| PRIORITY NA                                                                                                                                                        |                                              |         |                                                                                       |
| DESIGN NUMBER                                                                                                                                                      | 256746                                       |         |  |
| CLASS                                                                                                                                                              | 12-16                                        |         |                                                                                       |
| 1)MR. SURESH RAMPRAKASH CHAWLA., HAVING ADDRESS AT<br>KARISHMA NEST, ROW HOUSE NO:-8, MORWADI, PIMPRI, PUNE:-411018, MAHARASHTRA STATE, INDIA NATIONALITY:- INDIAN |                                              |         |                                                                                       |
| DATE OF REGISTRATION                                                                                                                                               | 25/09/2013                                   |         |                                                                                       |
| TITLE                                                                                                                                                              | MULTIPLE ARTICLE LOCKING DEVICE FOR VEHICLES |         |                                                                                       |
| PRIORITY NA                                                                                                                                                        |                                              |         |                                                                                       |

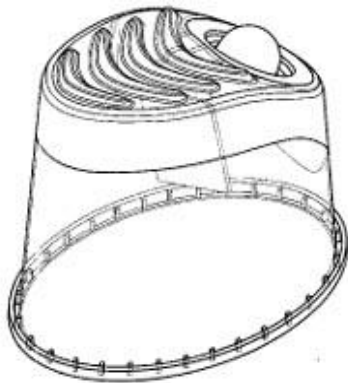
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|------------------------------------------------------------------------------------------------------------------|----------------------------------|---------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                    | 233398                           |         |  |
| CLASS                                                                                                            | 09-03                            |         |                                                                                     |
| 1)THE PROCTER & GAMBLE COMPANY.,<br>ONE PROCTER & GAMBLE PLAZA, CINCINNATI, OHIO-45202, UNITED STATES OF AMERICA |                                  |         |                                                                                     |
| DATE OF REGISTRATION                                                                                             | 20/12/2010                       |         |                                                                                     |
| TITLE                                                                                                            | FEMININE HYGIENE PRODUCT PACKAGE |         |                                                                                     |
| PRIORITY                                                                                                         |                                  |         |                                                                                     |
| PRIORITY NUMBER                                                                                                  | DATE                             | COUNTRY |                                                                                     |
| WO 552813001                                                                                                     | 18/06/2010                       | WIPO    |                                                                                     |

|                                                                                                                                                     |                |         |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|-------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                       | 255836         |         |  |
| CLASS                                                                                                                                               | 14-03          |         |                                                                                     |
| 1)BOSE CORPORATION, A CORPORATION OF THE STATE OF DELAWARE,<br>OF THE MOUNTAIN, MS40 FRAMINGHAM, MASSACHUSETTS 01701-9168, UNITED STATES OF AMERICA |                |         |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                | 14/08/2013     |         |                                                                                     |
| TITLE                                                                                                                                               | REMOTE CONTROL |         |                                                                                     |
| PRIORITY                                                                                                                                            |                |         |                                                                                     |
| PRIORITY NUMBER                                                                                                                                     | DATE           | COUNTRY |                                                                                     |
| 29449081                                                                                                                                            | 14/03/2013     | U.S.A.  |                                                                                     |

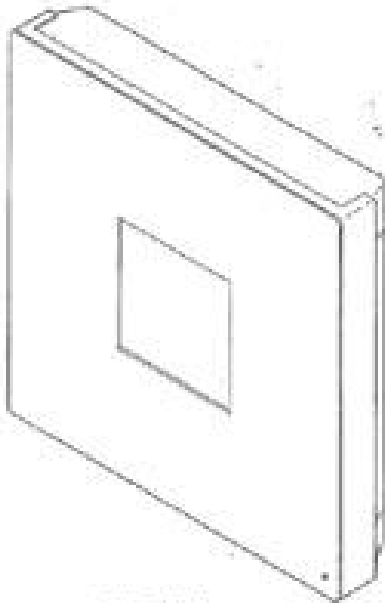
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|-----------------------------------------------------------------------------------------|--------------------|---------|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                           | 256132             |         |  |
| CLASS                                                                                   | 19-06              |         |                                                                                       |
| 1)KLIO-ETERNA SCHREIBGERÄTE GMBH & CO KG,<br>OF GLASHÜTTENWEG 7, 77709 WOLFACH, GERMANY |                    |         |                                                                                       |
| DATE OF REGISTRATION                                                                    | 30/08/2013         |         |                                                                                       |
| TITLE                                                                                   | WRITING INSTRUMENT |         |                                                                                       |
| PRIORITY                                                                                |                    |         |                                                                                       |
| PRIORITY NUMBER                                                                         | DATE               | COUNTRY |                                                                                       |
| 723994301                                                                               | 05/03/2013         | WIPO    |                                                                                       |

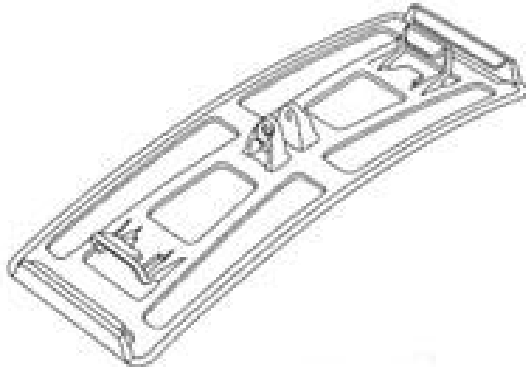
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| DESIGN NUMBER                                                                                                                                            | 256564           |  |  |  |
| CLASS                                                                                                                                                    | 26-03            |  |  |                                                                                     |
| 1)NITIN R. SHENOY, INDIAN NATIONAL,<br>602, JALTARANG, LOKPURAM, DR. GLADYS ALVARES ROAD, OFF. POKHRAN ROAD NO. 2, THANE (W)-400 601, MAHARASHTRA, INDIA |                  |  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                     | 18/09/2013       |  |  |                                                                                     |
| TITLE                                                                                                                                                    | LIGHTING FIXTURE |  |  |                                                                                     |
| PRIORITY NA                                                                                                                                              |                  |  |  |                                                                                     |

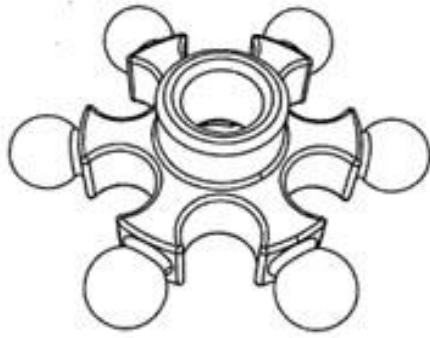
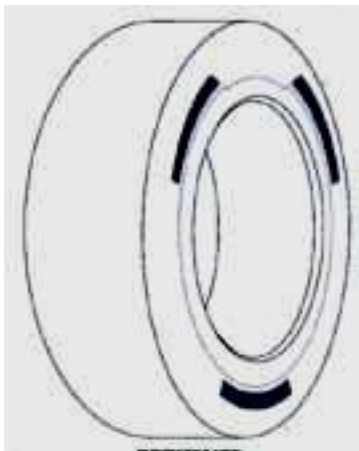
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| DESIGN NUMBER                                                                                                                                                                                                                                                                     | 256358                    |  |  |  |
| CLASS                                                                                                                                                                                                                                                                             | 12-16                     |  |  |                                                                                     |
| 1)RAVIBHAI M. VYAS AN INDIAN NATIONAL SOLE PROPRIETOR<br>OF AMBIKA INDUSTRIES AN INDIAN PROPRIETORSHIP FIRM<br>HAVING ITS PRINCIPAL PLACE OF BUSINESS AT<br>SHED NO. 259/2, VARDHMAN INDUSTRIAL AREA, OPP.<br>KOTHARIYA SOLVANT RAILWAY CROSSING, RAJKOT-362121,<br>GUJARAT-INDIA |                           |  |  |                                                                                     |
| DATE OF REGISTRATION                                                                                                                                                                                                                                                              | 10/09/2013                |  |  |                                                                                     |
| TITLE                                                                                                                                                                                                                                                                             | BRAKE PADDLE FOR VEHICLES |  |  |                                                                                     |
| PRIORITY NA                                                                                                                                                                                                                                                                       |                           |  |  |                                                                                     |

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|-------------------------------------------------------------------------------------------------------|------------------|---------|--|---------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                         | 255935           |         |  |  |
| CLASS                                                                                                 | 09-07            |         |  |                                                                                       |
| 1)RECKITT BENCKISER (BRANDS) LIMITED,<br>103-105 BATH ROAD, SLOUGH BERKSHIRE, SL1 3UH, UNITED KINGDOM |                  |         |  |                                                                                       |
| DATE OF REGISTRATION                                                                                  | 21/08/2013       |         |  |                                                                                       |
| TITLE                                                                                                 | CAP FOR A BOTTLE |         |  |                                                                                       |
| PRIORITY                                                                                              |                  |         |  |                                                                                       |
| PRIORITY NUMBER                                                                                       | DATE             | COUNTRY |  |                                                                                       |
| 002191742-0001                                                                                        | 26/02/2013       | OHIM    |  |                                                                                       |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--|--|------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                         | 256388            |  |  |  |
| CLASS                                                                                                                                                                 | 12-16             |  |  |                                                                                    |
| 1)HERO MOTOCORP LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, HAVING ITS OFFICE AT 34, COMMUNITY CENTRE, BASANT LOK, VASANT VIHAR, NEW DELHI-110057 |                   |  |  |                                                                                    |
| DATE OF REGISTRATION                                                                                                                                                  | 12/09/2013        |  |  |                                                                                    |
| TITLE                                                                                                                                                                 | CHAIN CASE HUGGER |  |  |                                                                                    |
| PRIORITY NA                                                                                                                                                           |                   |  |  |                                                                                    |

|                                                                                                                                                               |                 |                   |  |                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                                                 | 257782          |                   |  |  |
| CLASS                                                                                                                                                         | 23-04           |                   |  |                                                                                      |
| 1)LG ELECTRONICS INC., 20 YEOUIDO-DONG YEONGDEUNGPO - GU SEOUL, 150-721 REPUBLIC OF KOREA, A CORPORATION INCORPORATED UNDER THE LAWS OF THE REPUBLIC OF KOREA |                 |                   |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                                          | 25/10/2013      |                   |  |                                                                                      |
| TITLE                                                                                                                                                         | AIR CONDITIONER |                   |  |                                                                                      |
| PRIORITY                                                                                                                                                      |                 |                   |  |                                                                                      |
| PRIORITY NUMBER                                                                                                                                               | DATE            | COUNTRY           |  |                                                                                      |
| 30-2013-0027026                                                                                                                                               | 24/05/2013      | REPUBLIC OF KOREA |  |                                                                                      |

|                                                                                                                                      |            |         |  |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------|------------|---------|--|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                                        | 255667     |         |  |  |
| CLASS                                                                                                                                | 04-01      |         |  |                                                                                      |
| 1)KIMBERLY-CLARK WORLDWIDE, INC., A CORPORATION OF THE STATE OF DELAWARE, USA, OF 2300 WINCHESTER ROAD, NEENAH, WISCONSIN 54956, USA |            |         |  |                                                                                      |
| DATE OF REGISTRATION                                                                                                                 | 06/08/2013 |         |  |                                                                                      |
| TITLE                                                                                                                                | MOP HEAD   |         |  |                                                                                      |
| PRIORITY                                                                                                                             |            |         |  |                                                                                      |
| PRIORITY NUMBER                                                                                                                      | DATE       | COUNTRY |  |                                                                                      |
| 29/446764                                                                                                                            | 27/02/2013 | U.S.A.  |  |                                                                                      |

|                                                                                                                      |                          |         |                                                                                      |
|----------------------------------------------------------------------------------------------------------------------|--------------------------|---------|--------------------------------------------------------------------------------------|
| DESIGN NUMBER                                                                                                        | 257568                   |         |   |
| CLASS                                                                                                                | 21-01                    |         |                                                                                      |
| 1)MAGIC PRODUCTION GROUP S.A., AT<br>FINDEL BUSINESS CENTER, COMPLEXE B, RUE DE TRÈVES, L-2632<br>FINDEL, LUXEMBOURG |                          |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                 | 18/10/2013               |         |                                                                                      |
| TITLE                                                                                                                | TOY CONSTRUCTION ELEMENT |         |                                                                                      |
| PRIORITY                                                                                                             |                          |         |                                                                                      |
| PRIORITY NUMBER                                                                                                      | DATE                     | COUNTRY |  |
| 002226233-0002                                                                                                       | 24/04/2013               | OHIM    |                                                                                      |
| DESIGN NUMBER                                                                                                        |                          |         |                                                                                      |
| 255994                                                                                                               |                          |         |                                                                                      |
| CLASS                                                                                                                |                          |         |                                                                                      |
| 12-15                                                                                                                |                          |         |                                                                                      |
| 1)CONTINENTAL REIFEN DEUTSCHLAND GMBH<br>VAHRENWALDER STR. 9, 30165 HANNOVER, GERMANY                                |                          |         |                                                                                      |
| DATE OF REGISTRATION                                                                                                 | 23/08/2013               |         |                                                                                      |
| TITLE                                                                                                                | TYRE TREAD               |         |                                                                                      |
| PRIORITY                                                                                                             |                          |         |                                                                                      |
| PRIORITY NUMBER                                                                                                      | DATE                     | COUNTRY |                                                                                      |
| 002212274 - 0001                                                                                                     | 02/04/2013               | OHIM    |                                                                                      |