

पेटेंट कार्यालय  
का  
शासकीय जर्नल

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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**

26<sup>th</sup> JULY, 2013

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**THE PATENT OFFICE  
KOLKATA, 26/07/2013**

**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, Fax : (91)(22) 24123322 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 Fax : (91)(44) 2250 2066 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 Fax: (91)(22) 24130387 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 Fax: (91)(33) 2367 1988 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 Fax: (91)(11) 2808 1920 &amp; 2808 1940 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 26/07/2013**  
**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 :-

<p><b>1</b></p> <p>कार्यालय: महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई -400 037, भारत.  फोन: (91)(22) 24123311  फैक्स: (91)(22) 24123322  ई.मेल: <a href="mailto:cgpdtm@nic.in">cgpdtm@nic.in</a></p>	<p><b>4</b></p> <p>पेटेंट कार्यालय चेन्नई, इंटेलेक्चुअल प्रोपर्टी राइट्स बिल्डिंग इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईगल फ्लास्क जी.एस.टी. रोड, गायन्डी, चेन्नई - 600 032.  फोन: (91)(44) 2250 2081-84  फैक्स: (91)(44) 2250-2066  ई.मेल: <a href="mailto:chennai-patent@nic.in">chennai-patent@nic.in</a>  ❖ आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षद्वीप</p>
<p><b>2</b></p> <p>पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एनटॉप हिल डाकघर के समीप, एस. एम. रोड, एनटॉप हिल, मुम्बई - 400 037, फोन: (91)(22) 2413 7701, फैक्स: (91)(22) 2413 0387  ई.मेल: <a href="mailto:mumbai-patent@nic.in">mumbai-patent@nic.in</a>  ❖ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोआ तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.</p>	<p><b>5</b></p> <p>पेटेंट कार्यालय कोलकाता (प्रधान कार्यालय), बौद्धिक संपदा भवन, सीपी-2, सेक्टर-V, साल्ट लेक सिटी, कोलकाता- 700 091, भारत.  फोन: (91)(33) 2367 1943/44/45/46/87  फैक्स/Fax: (91)(33) 2367 1988  ई.मेल: <a href="mailto:kolkata-patent@nic.in">kolkata-patent@nic.in</a>  ❖ भारत का अवशेष क्षेत्र</p>
<p><b>3</b></p> <p>पेटेंट कार्यालय दिल्ली, बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर - 14, द्वारका, नई दिल्ली - 110 075.  फोन: (91)(11) 2808 1921-25  फैक्स: (91)(11) 2808 1920, 2808 1940  ई.मेल: <a href="mailto:delhi-patent@nic.in">delhi-patent@nic.in</a>  ❖ हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़</p>	

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, सूचनाएँ, विवरण या अन्य दस्तावेज या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे ।

शुल्क: शुल्क या तो नकद 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 हैं ।

## **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.

## **CORRIGENDUM (DELHI)**

The patent application number 65/DEL/2012 was filed as complete specification on 06-01-2012 through the e-filing module. Meanwhile, a request for withdrawal of the said application was filed on 31-01-2012. However, due to the error in the electronic processing module the application was inadvertently published on 12-07-2013. Since the request for withdrawal of the said application was filed within the stipulated time, the said application erroneously published under u/s 11(A) on 12-07-2013 under journal number 28/2013 shall be treated as deemed not have been published and shall not be open for public inspection and the application shall be treated as withdrawn.



## **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.2315/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :10/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : SANDFILLED ROCKDAM

(51) International classification

:E02B3/00

(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)PATEL DILIPKUMAR DEVJIBHAI**

Address of Applicant :301, SHAYONA COMPLEX,  
HIRABAG, VARACHHA ROAD, SURAT, PIN 395006  
Gujarat India

(72)Name of Inventor :

**1)PATEL DILIPKUMAR DEVJIBHAI**

(57) Abstract :

It is a composite structure constructed underwater for a highway or railway passing through a water body like creek of an ocean, lake etc. or to reclaim submerged land. Rock boulders are used to support sand mass. Sand is main filling material. It is hydraulically pumped from borrow area to its position. If borrow area is near, it is pumped and transported through pipes. If borrow area is far it is transported by barges. Sand is compacted by vibrators and in clay slurry is injected into it to increase cohesiveness of sand. Vertical and horizontal pipes are placed to collect excess pore water from sand and to keep it continuously unsaturated condition. Vertical layer of impervious material is provided to prevent water coming inside. Top surface is finished by R.C.C. or asphalt.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2536/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AUTOMATED WIRELESS SAWMILL

(51) International classification	:B27B31/00, B23D57/00	(71) <b>Name of Applicant :</b> <b>1)MR. MAYUR PATEL</b> Address of Applicant :1 - YENTRA MAHAL MARG NEEL GANGA SQUARE, KAVELU KARKHANA, GANGA TIMBERS UJJAIN Madhya Pradesh 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)MR. MAYUR PATEL</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 :

An Automated Wireless Sawmill for sawing rough log into the pieces as desired. By a centralized user-friendly wireless control station, this can be control by a single operator. The Mill is characterized by horizontally fixed carriage Foundation with vertical movement and a movable fixer having all the functionality needed for cutting the wood, done by hydraulic System. Vertical movement of carriage with high precision is developed as such manually visualization is not needed. Uniquely design of Sawmill reducing the risk of harm for the operator, Job and machine own itself. All the operation as said above is finally controlled with same centralized control station.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2343/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR EXTRACTION FROM PLANT BY VAPORIZATION

(51) International classification	:B01D 1/00; B01D 1/30	(71) <b>Name of Applicant :</b> <b>1)MR. NARENDRA DATTATRAYA PHATANGARE</b> Address of Applicant : 'GURAVZAP', IN FRONT OF AGASTI HIGH SCHOOL, AKOLE, DIST: AHMEDNAGAR- 422601, MAHARASHTRA India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)MR. NARENDRA DATTATRAYA PHATANGARE</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 related which to evaporation of liquid performed and condensation also done simultaneously. Model consists of Sample holding chamber (SHC). In this SHC small pieces of wild plant are filled completely (either stem or root or both) through sample inlet door (SID). Sealing should be done of SID with plaster of paris to avoid any leakage. The difference from model I is instead of cold water chamber cold water circulation is used. The effect of this method to maintain the cooled temp of ECC.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2352/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :12/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : A MECHANISM FOR SPIRAL SLIVER COIL STORAGE IN CASE OF CARD, DRAW-FRAME AND COMBER OR SIMILAR MACHINES

(51) International classification	:D01G15/00, D01G19/00	(71) <b>Name of Applicant :</b> <b>1)SWAPNIL JAYANT LANDGE</b>
(31) Priority Document No	:NA	Address of Applicant :2, BHANU PARK SOCIETY, NEAR
(32) Priority Date	:NA	SUESSEN TEXTILE MAKARPURA ROAD, BARODA -
(33) Name of priority country	:NA	390010 - GUJARAT India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SWAPNIL JAYANT LANDGE</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 mechanism designed to achieve spiral coiling of sliver in a sliver storage element which would store more sliver in each sliver storing element causing benefits of less downtimes and ease of transportation. It also eliminates many of the parts which are used in present sliver coiling apparatuses which save maintenance downtime and also save material and spares cost. This method also utilizes less power over the existing systems of sliver coiling hence the abstract of the invention is to provide a method of sliver coiling which may be beneficial and advantageous over the existing methods.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2335/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : IMPROVED PROCESS FOR PRODUCING GALVANIZED STEEL COILS/SHEET IN CONTINUOUS GALVANIZING.

(51) International classification	:C23C 18/31; C23C 2/20; C23C 18/48	(71)Name of Applicant : <b>1)INDIAN STEEL CORPORATION LTD.</b> Address of Applicant :SURVEY NO. 370, NEAR BHIMASAR RAILWAY CROSSING, NATIONAL HIGHWAY 8A, VILLAGE- BHIMASAR, TA. ANJAR, KUTCH - 370110 GUJARAT, INDIA.
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)OSTWAL, RAJESH</b>
(33) Name of priority country	:NA	<b>2)KULKARNI, S D</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 :

An improved process for galvanization of steel comprising of degreasing & cleaning of cold rolled strip in direct fired heater section followed by heating of the strip to annealing temperatures in radiant tube fired section. The steel strip is soaked under protective atmosphere followed by cooling to galvanizing temperature using rapid cooler. Further the steel strip is dipped in molten zinc bath followed by wiping of excess zinc. The present embodiment provides smooth and uniform coating to metallic surfaces and to protect sharp edges and corners optimally. The present embodiment provides good adhesion and ductility as well as excellent formability.

No. of Pages : 15 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2336/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESS FOR PRE-TREATMENT AND CONTINUOUS COLOUR COATING OF METAL SURFACE.

(51) International classification	:C23C 18/04; C23C 18/06	(71) <b>Name of Applicant :</b> <b>1)INDIAN STEEL CORPORATION LTD.</b> Address of Applicant :SURVEY NO. 370, NEAR BHIMASAR RAILWAY CROSSING, NATIONAL HIGHWAY 8A, VILLAGE-BHIMASAR, TA. ANJAR, KUTCH - 370110 GUJARAT, INDIA.
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)MAHATOL, P</b>
(33) Name of priority country	:NA	<b>2)RATHOD, AJAY</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 is a process for pre-treatment and continuous colour coating of metal surface which enhances the bonding between metal surface and paint surface. This is achieved by a 6-stage zinc phosphate treatment operation which leaves behind a continues, relatively thick, solid film of zinc phosphate on the surface of the galvanized sheet. The present invention gives water proof, weather proof, UV resistant, corrosion resistant and cost effective coating on the metal surface. Moreover the products produced by this process can be easily stored and transported from one place to another without any damage to the metal surface.

No. of Pages : 12 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1974/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :09/07/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A PROCESS FOR PREPARATION OF RACTOPAMINE.

(51) International classification	:C07C 215/62; C07C 215/60	(71) <b>Name of Applicant :</b> <b>1)SEQUENT SCIENTIFIC LIMITED</b> Address of Applicant :116 VARDHMAN INDUSTRIAL COMPLEX, L.B.S MARG, THANE(W), MUMBAI - 400 601, Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)BALAYA, LINGAPPA</b>
(33) Name of priority country	:NA	<b>2)VENKATRAMANA, SUMANGALA</b>
(86) International Application No	:NA	<b>3)KAYARMAR, RESHMA</b>
Filing Date	:NA	<b>4)PATGAR, PRASAD NARASIMHA</b>
(87) International Publication No	:N/A	<b>5)ADITHYA, SUNKARA VENKATA RAGHAVENDRA</b>
(61) Patent of Addition to Application Number	:NA	<b>6)KUNDER, KAVITHA</b>
Filing Date	:NA	<b>7)ARULMOLI, THANGAVEL</b>
(62) Divisional to Application Number	:NA	<b>8)DAS, GAUTAM KUMAR</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel process for preparing 4-[3-[[2-Hydroxy-2-(4-hydroxyphenyl)ethyl] amino] butyl]phenol hydrochloride of formula I.

No. of Pages : 11 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2851/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : BIOLEACHING PROCESS OF CHROMIUM, NICKEL, ZINC AND LEAD FROM ELECTROPLATING INDUSTRIAL WASTE SLUDGE USING BUBBLE COLUMN

(51) International classification

:C22B

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**2)R. BASKAR**

**3)P. PONMURUGAN**

(72)Name of Inventor :

**1)S. VENKATESA PRABHU**

**2)R. BASKAR**

**3)P. PONMURUGAN**

(57) Abstract :

Bioleaching of zinc, nickel, chromium and lead from the electroplating industrial sludge was made in this process. The present innovation of the process deals with the operating parameters of the bioleaching process conducted in bubble column with dimensions of diameter 5 cm and height 30 cm. Isolated sulphur grown *Acidithiobacillus ferrooxidans* was used for the bioleaching purpose. Initially the culture was adapted to the sludge for the better leaching performance. The media constituents parameter are elemental sulphur - 6g/l,  $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$  - 0.5 g/l,  $(\text{NH}_4)_2\text{SO}_4$  - 3 g/l and  $\text{KH}_2\text{PO}_4$  - 0.5 g/l, KCl - 0.1 g/l with initial pH 3 and air flow rate one litre per minute. 300 ml of working volume, 5% (w/v) of dried sludge and 10% (v/v) of inoculum was also carried out for the process. The bioleaching process with these parameters have showed the better results in efficiencies of zinc, nickel, chromium and lead from the electroplating industrial sludge and leaching rate.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2852/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : BIOSORPTION OF HEXAVALENT CHROMIUM BY TRICHODERMAATROVIRIDAE

(51) International classification	:C02F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)D. GAYATHRI
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF
(33) Name of priority country	:NA	BIOTECHNOLOGY, K.S.RANGASAMY COLLAGE OF
(86) International Application No	:NA	TECHNOLOGY, TIRUCHENGODE - 637 215 Tamil Nadu
Filing Date	:NA	India
(87) International Publication No	: NA	2)S. POORNIMA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)D. GAYATHRI
(62) Divisional to Application Number	:NA	2)S. POORNIMA
Filing Date	:NA	

(57) Abstract :

Hexavalent chromium causes serious environmental issues due to its toxicity. Water bodies are the major targets affected by chromium pollutants. The electroplating and tannery industry effluents are the major sources of Cr (VI) release into water bodies. Biosorption can be an effective tool in removing hexavalent chromium. In this study, biosorption ability of Trichoderma atroviridae was investigated in batch experiments. The effects of initial Cr (VI) concentration, pH and temperature on metal removal were also investigated. Favourable conditions for Cr (VI) removal by Trichoderma atroviridae were found to be pH 3 and temperature of 50°C. Metal removal efficiency of Trichoderma atroviridae reached the maximum level at 168 hours. Biosorption was found to increase with increase in temperature and contact time and at lower pH, Cr (VI) removal was found to be higher. Adsorption of chromium followed pseudo first order kinetic model and freundlich isotherm model was found to be most suitable for biosorption of Cr (VI) by T.atroviridae. Thermodynamic study revealed that the spontaneous, endothermic nature of the process. Key words: Chromium, biosorption, Trichoderma atroviridae, kinetic model, isotherm.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2853/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : PRODUCTION AND EVALUATION OF MANIKARA ZAPOTA AND CARICA PAPAYA FLAVOURED YOGURT

(51) International classification

:A23C

(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

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(62) Divisional to Application Number

:NA

Filing Date

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**2)M. NITHYA**

(72)Name of Inventor :

**1)S. KIRUBHAKARAN**

**2)M. NITHYA**

(57) Abstract :

The yogurt was prepared using different level of fruit juice (5%, 10% & 15%) of different fruits {Carica papaya and Manilkara zapota) with milk. The quality of the yogurt was measured by some organoleptic,chemical parameters and microbiological tests. Addition of fruit juices increased the total solids but decreased the protein and fat content. The microbiological test showed the presence of gram positive rods and cocci. From this study, it was suggested that yogurt could be prepared successfully by adding different proportions of fruit juices with milk. Key words: Carica papaya, Manilkara zapota, chemical parameters, different proportions, milk.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2863/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : IN VITRO REGENERATION AND MASS MULTIPLICATION OF EMILIA ZEYLANICA C. B. CLARKE (ASTERACEAE) - A POTENTIAL MEDICINAL HERB

(51) International classification	:A01H, C12N	(71)Name of Applicant : <b>1)J. PHILIP ROBINSON</b>
(31) Priority Document No	:NA	Address of Applicant :DEPARTMENT OF
(32) Priority Date	:NA	BIOTECHNOLOGY, K.S.RANGASAMY COLLEGE OF
(33) Name of priority country	:NA	TECHNOLOGY, TIRUCHENGODE - 637 215 Tamil Nadu
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)J. PHILIP ROBINSON</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is growing concern throughout the world about the uncontrolled exploitation and depletion of the earths natural resources especially affecting the plant biodiversity of tropical forests. Applications of in vitro techniques have been routinely practiced for the multiplication of many medicinal plants to meet the demands of pharmaceutical firms and to protect the natural population of rare and endangered plant species. Emilia zeylanica C. B. Clarke a valuable medicinal herb facing severe depletion in the wild through its poor seed viability, forest degrading and grazing. The present report covers the in vitro regeneration of the potential medicinal herb Emilia zeylanica using shoot tip, nodal explants, axillary bud and inflorescence node explants. There are high frequency of plant regeneration were recorded in the in method of plant multiplication. High frequency of shoot elongation was recorded using BAP (0.1 mg/1) along with GA3 (0.10 mg/1). The well rooted microshoots were transferred in to the soil and 80% of survivability was recorded.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2864/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN OPTIMIZED PACKED BED REACTOR WITH ASPERGILLUS NIGER-KSR-21 BIOMASS FOR TEXTILE EFFLUENT TREATMENT-A PILOT STUDY

(51) International classification

:C02F

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**2)M. KARTHIKEYAN**

**3)S. VENKATESA PRABHU**

(72)Name of Inventor :

**1)G. BHARATH**

**2)M. KARTHIKEYAN**

**3)S. VENKATESA PRABHU**

(57) Abstract :

The utilization of Aspergillus niger biomass for the treatment of effluent and collected from the dying units which provides an insight into the potential of the fungal biomass. The fungal systems provide an alternative means of textile effluent treatment, fungal cells have the ability to adsorb the dyes and metals present in the effluents. The fungal dead cells have the capability of higher level of adsorption than live cells. To keep in mind, studies were undertaken for the biosorption of textile effluent by the fungal biomass. The packed bed column is filled with coir which is a natural adsorbant as a supporting material for the biomass. The process parameters maintained were, retention time 80 min, flow rate was maintained at 2ml/min and porosity of the column was 0.425. The dye decolorization by the fungal biomass was 84.05% and the metal adsorption was found to be 81.21% and the state of equilibrium in the process was obtained after 5 cycles. This study may serve as an economically feasible and efficient process for total effluent treatment in textile industries.

No. of Pages : 12 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2865/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : ISOLATION AND MOLECULAR DEPICTION OF DNA BINDING PROTEIN FROM SALMONELLA. TYPHI

(51) International classification	:C12Q, C12N	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)B. GANGATHRAPRABHU</b>
(32) Priority Date	:NA	Address of Applicant :KODAI DARWIN INSTITUTE OF
(33) Name of priority country	:NA	RESEARCH AND TECHNOLOGY, C.S. BUILDING
(86) International Application No	:NA	NAIDUPURAM, KODAIKANAL Tamil Nadu India
Filing Date	:NA	<b>2)DR. P. PONMURUGAN</b>
(87) International Publication No	: NA	<b>3)K. MAHESH</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)B. GANGATHRAPRABHU</b>
(62) Divisional to Application Number	:NA	<b>2)DR. P. PONMURUGAN</b>
Filing Date	:NA	<b>3)K. MAHESH</b>

(57) Abstract :

Poultry waste sample was collected for Salmonella spp and the collected sample was serially diluted and the media was prepared in 1000ml Erlenmeyer flask and it was sterilized in autoclave (NAT Steel Works) at 121°C for 20 min in 15 lbs. pressure. Range of bacterial dilutions were inoculated in Salmonella shigella agar and incubated at 40°C for 15 hrs. A tendered bacterial cell in the range of 6-8 hrs old culture was harvested by centrifugation at 12,000 rpm for 20 minutes. With 5 ml of cell culture equal volume of extraction buffer was added. The suspension was incubated at 4°C for 1 hour and centrifuged at 12,000 rpm for 15 minutes. The control having only Plasmid 0.5, 1.0, 1.5, 2.0, 2.5 and 3 µ (Concentration 0.4µg/µl) of nuclear extract was mixed with 10 µl of plasmid DNA along with binding buffer. The final volume of 20µl was made up with distilled water and incubated at 10°C for 30 minutes. The incubated samples were run in 0.7% agarose gel for 6 hours at 10°C. The gels were photographed using the UV transilluminator of Alpha DigiDoc System.

No. of Pages : 8 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2946/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :02/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM AND METHOD FOR IDENTIFICATION AND MANAGEMENT OF GLUCOSE METABOLISM DISORDER

(51) International classification :A61B  
(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)HCL Technologies Limited**  
Address of Applicant :HCL Technologies Ltd AMB 3.64-  
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estate, Chennai-58 Tamil Nadu India  
(72)**Name of Inventor :**  
**1)Sivasakthivel Sadasivam**  
**2)Shyam Thangaraju**

(57) Abstract :

The embodiments herein relate to data analysis and, more particularly, to identify the glucose metabolism disorder in a patient<sup>TM</sup>s body. Glucose and insulin levels in the patients blood are measured at different stages of the process and glucose and insulin are administered at different stages of the process. By processing fetched glucose and insulin level information at various stages of the processes, the system provides condition of said patient as having at least one of an insulin sensor problem, production unit problem, glucose sensor unit problem, insulin sensor over sensitivity problem, glucose sensor over sensitivity problem or a production unit over sensitivity problem by analyzing said measured glucose level.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2947/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :03/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM FOR FAIL-SAFE PROGRAM RECORDING IN PERSONAL VIDEO RECORDERS

(51) International classification :H04N  
(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

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**1)WIPRO LIMITED**  
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(72)**Name of Inventor :**  
**1)Mohammed Junaaid Kottikulam**  
**2)Dhanya Unnikrishnan**  
**3)Saira Thampi**

(57) Abstract :

A method, system, and non-transitory computer-readable storage medium for implementing backup recording of events are disclosed. The method may include detecting, by a personal video recorder (PVR) cluster coordinator, an interruption in a current or scheduled recording of an event at a first PVR. The method may further include determining, by the PVR cluster coordinator, a PVR cluster corresponding to the first PVR in response to the detection, the PVR cluster comprising a plurality of PVRs and including the first PVR. The method may further include facilitating, by the PVR cluster coordinator, a backup recording of the interrupted recording at a serving PVR in the PVR cluster after determining the PVR cluster corresponding to the first PVR. Further, the PVR cluster coordinator may be implemented by at least one computer processor.

No. of Pages : 41 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2019/CHE/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : NOVEL HIGHLY BIOAVAILABLE, WATER SOLUBLE, SUSTAINED RELEASE NANOFORMULATIONS OF HYDROPHOBIC PLANT DERIVED COMPOUNDS, AND EXTRACTS

(51) International classification	:A61K9/00	(71)Name of Applicant : <b>1)LAILA PHARMACEUTICALS PVT. LTD.</b> Address of Applicant :40-15-14, Brindavan colony, Labbipet, Vijayawads - 520 010, Andhra Pradesh, India. Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)SRIPATHY RAVICHANDRAN</b>
(33) Name of priority country	:NA	<b>2)MANDAPATIVENKATA NARASIMHA SIVA RAMA RAJU</b>
(86) International Application No	:NA	<b>3)AJAY GOPAAL</b>
Filing Date	:NA	<b>4)SOMASHEKARA NIRVANASHETTY</b>
(87) International Publication No	: NA	<b>5)CHANIYILPARAMPU RAMCHAND NANAPPAN</b>
(61) Patent of Addition to Application Number	:NA	<b>6)GOKARAJU RAMA RAJU</b>
Filing Date	:NA	<b>7)GOKARAJU GANGA RAJU</b>
(62) Divisional to Application Number	:NA	<b>8)BHUPATHIRAJU KIRAN</b>
Filing Date	:NA	<b>9)ANJANA DWARAKANATH</b>

(57) Abstract :

The present invention discloses novel highly bioavailable, water soluble, sustained release nanoformulation(s) comprising unique proportion of the hydrophobic plant derived compound(s) in an emulsifier phase and aqueous phase to achieve the sustained release over a 24hr time period and more. The present invention further discloses process for preparation of said novel water soluble, highly bioavailable and sustained release nanoformulation thereof.

No. of Pages : 31 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2856/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : POTASSIUM SOLUBILIZING EFFICIENCY OF PSEUDOMONAS PUTIDA ISOLATED FROM TEA PLANTATION SOIL

(51) International classification :G01N33/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)DR. P. PONMURUGAN**  
**3)A. BALAMURUGAN**  
(72)Name of Inventor :  
**1)B. BAGYALAKSHMI**  
**2)DR. P. PONMURUGAN**  
**3)A. BALAMURUGAN**

(57) Abstract :

The objective of the present investigation work is to characterize the potassium solubilizing efficiency of Pseudomonas putida (VKSB 12) isolated from tea plantation soil. Soil sample was collected from tea plantation soil at Valparai region. The soil sample was subjected to isolate the indigenous potassium solubilizing bacteria using Aleksandrov medium. The solubilization efficiency of P.putida was studied critically using various sources of potassium mineral in vitro. The isolates were tested for its potassium solubilizing ability in the basal (Aleksandrov) medium supplemented with different potassium sources at 0.2% concentration muriate of potash (MOP), sulphate of potash (SOP) and Montmorillonite (standard K source). The diameters of the clearing zones around the colonies were measured for studying its solubilizing efficiency. Glucose is the main carbon source and maximal solubilization of MOP was found to efficient at 0.25%. Similarly, ammonium sulphate was found to be the best nitrogen source for potassium source solubilization at the temperature of 25°C.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2900/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :01/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : AUTOMATION TESTING OF GUI FOR NON-STANDARD DISPLAYS

(51) International classification	:G01R	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)HCL Technologies Limited</b>
(32) Priority Date	:NA	Address of Applicant :HCL Technologies Ltd AMB 3.64-
(33) Name of priority country	:NA	66,South Phase,II Main road, Ambattur Industrial
(86) International Application No	:NA	estate,Chennai-58 Tamil Nadu India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Sivasakthivel Sadasivam</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiments herein relate to Graphical User Interface (GUI) testing and, more particularly, to automate the testing of GUI for non-standard displays. Initially, an automation module is pre configured with the test cases that are required to test the GUI of the Device Under Test (DUT). Further, the DUT<sup>TM</sup>s display is auto configured with an interpretation & reconstruction module which fetches the display parameters and allocates required memory in a memory buffer. Later, the automation module provides the system inputs to DUT in which test cases are executed. Now, the interpretation & reconstruction module interprets and reconstructs the GUI content of DUT by fetching it from its display port. Later, the reconstructed display content will be updated to the memory buffer which is further verified by automation module.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3019/CHE/2013 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR EFFECTIVE IDENTIFICATION OF GEO-LOCATION IN MOBILE HETNET ENVIRONMENTS

(51) International classification	:H04N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)WIPRO LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SUBHAS CHANDRA MONDAL</b>
(87) International Publication No	: NA	<b>2)AMAL GHOSH A.V.</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This disclosure relates generally to location services, and more particularly to systems and methods for effective identification of geo-location in mobile HetNet environments. In one embodiment, a device geo-location method is disclosed, comprising: receiving one or more wireless signal strengths associated with connectivity of a user device to one or more wireless access points; calculating, via a processor, one or more distances of the user device from the one or more wireless access points using the one or more wireless signal strengths; triangulating a user device location coordinate using: a pre-determined wireless access point location coordinate associated with at least one of the one or more wireless access points; and the calculated one or more distances of the user device from the one or more wireless access points; and storing the user device location coordinate.

No. of Pages : 46 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2850/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : ANTI SNAKE VENOM PROPERTY OF RUTA GRAVEOLENS L. ON NAJA NAJA VENOM

(51) International classification :A61K36/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**3)KRISHNAVENI, K.V.**

(72)Name of Inventor :

**1)EBENEZER SAMUEL KING, J.**

**2)M. BALASUBRAMANIAN**

**3)KRISHNAVENI, K.V.**

(57) Abstract :

Snake bite is one of the serious health hazards leading to high death rate in India. Cobra (Najanaja) is one of the most common snakes found in India. In the present study, the plant extracts of Ruta graveolens was tested against the snake venom. The plant extracts of benzene, diethyl ether, ethyl acetate, acetone and ethanol were used in which ethanol extract and acetone extract were effective. Thus the ethanol extract and acetone extract of Ruta graveolens were tested for antivenom activity against Najanaja venom by in vitro methods. The plant extracts were tested for procoagulation activity, phospholipase A2 activity, fibrinolytic activity and acetyl cholinesterase. It was found that the plant extracts were capable of inhibiting the snake venom. Thus the plant extracts is capable of neutralizing the venom toxicity and can be used for treatment in case of snake bite envenomation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2001/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : AUTOMATTIC WATER LEVEL FINDER IN THE UNDERGROUND SUMP AND OVERHEAD TANK

(51) International classification	:G05D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)M.S.A. IMPORTERS PVT. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :NO. 109, 1ST CROSS, BALAJI
(33) Name of priority country	:NA	KRUPA LAYOUT, SAMPIGEHALLI, DR.
(86) International Application No	:NA	SHIVARAMKARAN POST, BANGALORE 560 077
Filing Date	:NA	Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)MRS. FARHANA PASHA</b>
Filing Date	:NA	<b>2)MR. AZAD PASHA</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An Automatic Water Level Finder comprises of the underground sump and overhead tank wherein the floats are fixed inside the tank to read precisely the water level and automatic shut off of the water pump when the overhead tank is just full. The water level gauges show the reading for every five mm rise or fall of water in the tanks and are electronically connected to the floats respectively. The gauges are designed to show the marks for Empty, 1/4, 1/2, 3/4 and full level of water in the sump or the tank. By seeing with naked eyes the gauges shows the exact water levels in the sump and the tank and can operate the water pump accordingly with a hand remote control or manually by operating of the switches, The two gauges are kept or fixed near the pump switch board which also has the remote control switch side by side. When the overhead tank is filled just to the top, the water pump is automatically switches off by a trip switch which is in turn connected to the push button switch of the float. When the overhead tank is filled, the saved water can be utilized for the purpose for which it is intended by water pipes downwards for domestic consumption of water or for any purpose it has been installed.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2943/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :02/07/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : MONEY TRANSACTION FROM CELLPHONE TO CELL PHONE WITHOUT BANKING ACTIVITIES

(51) International classification

:G06Q

(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)NAGESWARA RAO BELLAPU**

Address of Applicant :S/O. AANJANEYULU, MUTYALA  
PALLI (V & PO), MOGATHUR (VIA), W.G.DT Andhra  
Pradesh India

**2)NAGESWARA RAO CHINTAPALLI**

(72)Name of Inventor :

**1)NAGESWARA RAO BELLAPU**

**2)NAGESWARA RAO CHINTAPALLI**

(57) Abstract :

Money transaction from cell phone to cell phone without banking activities, compression, money savings coupons and withdraw coupons, secret pin code number characterized in that star 999 star secret coupon secret number and # and OK, Star 999 star withdraw coupon secret number star secret pin code number # press OK button.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.751/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : A PROCESSING DEVICE OF CORN SEED AND METHOD OF PROCESSING THE CORN SEED BY USING THAT DEVICE

(51) International classification	:B65D5/10	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ACHIN PRAKASH BERA</b>
(32) Priority Date	:NA	Address of Applicant :35/3, SATYEN PARK, KOLKATA-
(33) Name of priority country	:NA	700104 STATE OF WEST BENGAL, INDIA.
(86) International Application No	:NA	<b>2)ALOK KUMAR KULAVI</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)ACHIN PRAKASH BERA</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 processing device of corn seeds and in particular, this invention relates to a processing device of corn seeds which can efficiently treat plant seeds with a magnetic field and an electro- magnetic field in a short time, to provide a method for treating the plant seeds by the use of the device, and to provide a plant seed-treating device which can continuously treat the seeds with a magnetic field. More particularly, this present invention relates to the processing method of a vegetable seed by using the of the processing device especially exposes the seed of corn etc. to an electric field and a magnetic field.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.748/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : STEVIA BASED SWEET BAKERY PRODUCT AND METHOD OF PREPARING THE SAME

(51) International classification	:A21D13/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SHAI LJA'S ORGANIC PRODUCTS PRIVATE</b>
(32) Priority Date	:NA	<b>LIMITED</b>
(33) Name of priority country	:NA	Address of Applicant :PLOT NO. 58, UNIT - 7, SURYA
(86) International Application No	:NA	NAGAR, BHUBANESWAR -751 003, ODISHA, INDIA
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)MR. SHAILJI ROUT</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 sweet bakery product. More particularly, the present invention relates to a sweet bakery product by using sweet glycoside extract of stevia rebaudiana. More particularly, the present invention relates to the bakery products by resolving the inherent problems with the stevia glycosides manufacturing bakery & Indian sweet product having very low calorie contribution to the portion due to the sweetner component. Moreover, this invention also relates to a method of preparing the above bakery & Indian sweet product.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.716/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :17/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESS OF REMOVAL OF COMBUSTION GASES INCLUDING CARBON DIOXIDE FROM PLASTIC COATED ALUMINIUM PAPER

(51) International classification	:B01D53/62	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)BISWANATH DAS</b>
(32) Priority Date	:NA	Address of Applicant :93E, ALIPORE ROAD, KOLKATA -
(33) Name of priority country	:NA	700027, WEST BENGAL, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)BISWANATH DAS</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 :

This invention relates to a process of removal of combustion gases including carbon dioxide from plastic coated aluminium paper and in particular, this invention relates to a process for removal of carbon di oxide from combustion gases which is produced in separation of plastic coated aluminum paper by heat. More particularly, this present invention relates to a process for removal of carbon di oxide from combustion gases which is produced in separation of plastic coated aluminum paper by heat with introduction of oxygen. Furthermore this invention also relates to an apparatus by which removal of carbon di oxide can be done.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.767/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :27/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : VERTICAL AXIS CROSS-FLOW FLUID TURBINE WITH SLIGHTLY BENT ROTOR FRAME SPECIALLY CONSTRUCTED WITH SWIVEL DOOR PLANKS AND THE WORKING OF THE SAME

(51) International classification	:F01D11/00	(71) <b>Name of Applicant :</b> <b>1)SMT MANJU DEVI</b> Address of Applicant :W /o, SANJAY KUMAR SAH VILLAGE PANCHPATIYA POST: DEORIA DIST: SARAN PIN: 841225 STATE OF BIHAR, 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> <b>1)SMT MANJU DEVI</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 vertical axis cross-flow fluid turbine having horizontally rotating multi (three or more) rotor blades with rotor frame with swivel door planks and a method of making same is disclosed. The device and method comprise a plurality of blades rotatably disposed around an axis of rotation at a plurality of blade locations, each blade being bent at 2/3rd parts location along the latitudinal axis, each blade having a door frame with protruding corners so as to cut through the fluid efficiently, each blade having a window and door cross section parallel to the axis of rotation for maintaining unidirectional rotation of that blade about the axis of rotation in a fluid flow, each door and window fixed in a manner that it swings in a certain angle so as to reduce the loss of energy. This invention also relates to the arrangement of the turbines in the water body so as to maximise the energy that is generated.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.714/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :17/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : A SYSTEM FOR LOWERING BAD CHOLESTEROL FROM BLOOD PLASMA

(51) International classification	:A61K35/16	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ARUN KUMAR CHANDRA</b>
(32) Priority Date	:NA	Address of Applicant :P-24, CIT ROAD, KOLKATA-
(33) Name of priority country	:NA	700014 WEST BENGAL, INDIA .
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)ARUN KUMAR CHANDRA</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 system for lowering bad cholesterol from blood plasma, comprising means for separating blood plasma from fresh blood and means for two stage filtration of the said blood plasma using 11 micron and 0.22 micron filters.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.717/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :17/06/2013

(43) Publication Date : 26/07/2013

(54) Title of the invention : 'MULTIPLE SURFACE CLEANER WITH CLEANING HEADS THAT AUTOMATICALLY ADJUSTS TO THE INCLINATION OF THE SURFACE

(51) International classification	:B08B3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)ARITRA BANERJEE</b>
(32) Priority Date	:NA	Address of Applicant :B/11, NANDANKANAN,
(33) Name of priority country	:NA	SANTOSH PUR KOLKATA-700075, West Bengal India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)ARITRA BANERJEE</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 :

This invention relates to a multiple surface cleaner and in particular, this invention relates to multiple surface cleaner with cleaning heads that automatically adjusts to the inclination of the surface. More particularly, this present invention relates to a multiple surface cleaner in which the cleaning implements automatically adjust itself according to the inclination of the surface at the point of contact, having a driven element carrying either a pad or brush for scouring kitchen utensils or other suitable attachments for cleaning surfaces like metals, glass, floor, tiles, walls etc. Furthermore, this invention also relates to a multiple surface cleaner which has the beneficial effects of having saving manpower cost, reducing labor intensity, and having safety and reliability.

No. of Pages : 44 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.4655/DELNP/2007 A

(19) INDIA

(22) Date of filing of Application :18/06/2007

(43) Publication Date : 26/07/2013

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(54) Title of the invention : A PHARMACEUTICAL COMPOSITION FOR INHIBITING GROWTH OF CANCER CELLS

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(51) International classification	:A61K 38/50
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CA2003/001061
Filing Date	:25/01/2005
(87) International Publication No	:WO 2004/009112
(61) Patent of Addition to Application Number	:281/DELNP/2005
Filed on	:25/01/2005
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)HELIX BIOPHARMA CORP.**

Address of Applicant :3-305, INDUSTRIAL PARKWAY  
SOUTH, AURORA, ONTARIO L4G 6X7, CANADA.

(72)**Name of Inventor :**

**1)CHAO, HEMAN**

**2)WONG, WAH**

**3)SEGAL, DONALD**

**4)MCELROY, JERRY**

**5)DOCHERTY, JOHN**

**6)DICKSTEIN, JODI**

(57) Abstract :

The present invention provides a pharmaceutical composition for inhibiting growth of cancer cells, said composition comprising (i) a urease enzyme; (ii) a targeting moiety directly conjugated to said urease enzyme and selected from the group consisting from the group consisting of an anti-tumor antigen antibody, anti-hCG antibody, and a ligand capable of binding specifically to cancer cell surface receptors, said targeting moiety being effective to enhance the delivery of the enzyme to cancer cells; and (iii) optionally, a weakly basic anti-tumor compound whose effectiveness is reduced by a higher intracellular/lower extracellular pH gradient in a solid tumor wherein the urease enzyme and the targeting moiety in the composition is in a ratio of 1:1.

No. of Pages : 88 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2336/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :29/09/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : A SYSTEM AND METHOD OF MULTIPLE BATTERY SELECTION IN A POWER BACKUP SYSTEM.

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SU-KAM POWER SYSTEMS LTD.,</b>
(32) Priority Date	:NA	Address of Applicant :306, KIRTI DEEP BUILDING,
(33) Name of priority country	:NA	NANGAL RAYA, NEW DELHI-110046, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KUNWER SACHDEV</b>
(87) International Publication No	:NA	<b>2)SANJEEV KUMAR SAINI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SUNIL KUMAR KAIDAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a system for multiple battery selection in a power backup system comprises a battery selector circuit connected to a controller with battery selection and charger selection logic, user selection interface unit to select the type of battery and charger unit connected to the controller to charge battery.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1548/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :01/07/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : POWER BACKUP SYSTEM FOR OFFROAD VEHICLE

(51) International classification	:B63J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SU-KAM POWER SYSTEMS LTD</b>
(32) Priority Date	:NA	Address of Applicant :306,KIRTI DEEP BUILDING,
(33) Name of priority country	:NA	NANAGAL RAYA, NEW DELHI-110046 India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KUNWER SACHDEV</b>
(87) International Publication No	:NA	<b>2)VENKAT RAJARAMAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SANJEEV KUMAR SAINI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a power backup system for off road vehicle comprises an inverter housing accommodating first and second part, a power socket and renewable charger, wherein the first part comprises circuit assembly and the second part comprises the transformer assembly including a transformer, which gets fit onto the inverter body in which said first part is positioned on the top of the second part for increasing the ease in serviceability.

No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2784/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : BETA SHEET INDUCER

(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 :

**1)INDIAN INSTITUTE OF TECHNOLOGY, DELHI**

Address of Applicant :HAUZ KHAS, NEW DELHI-110016,

INDIA

(72)Name of Inventor :

**1)HARIDAS, V.**

**2)SADANANDAN, SANDHYA**

(57) Abstract :

During the past decade, scientists have produced several unnatural proteins in vitro using recombinant DNA technology. This approach has high commercial importance and also is a valuable tool for understanding the mechanism of protein folding and function. Although our understanding of protein folding and the function is incomplete, scientists have been able to successfully design and synthesize artificial peptides that show some of the properties of natural proteins.

No. of Pages : 19 No. of Claims : 6



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2785/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ALPHA HELIX INDUCER

(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 :

**1)INDIAN INSTITUTE OF TECHNOLOGY, DELHI**

Address of Applicant :HAUZ KHAS, NEW DELHI-110016,

INDIA

(72)Name of Inventor :

**1)HARIDAS, V.**

**2)SADANANDAN, SANDHYA**

(57) Abstract :

Alpha helix was the first-described secondary structure discovered by Linus Pauling in 1951, and this discovery constitutes one of the major breakthroughs in the contemporary science. It is a crucial structural motif in many regulatory proteins and is involved in various vital cellular events such as protein-DNA interactions (helix-turn helix), in addition to its role as dimerization motif (in zipper proteins) and its ubiquitous presence in membrane-bound receptors (G-protein coupled receptors). But even after more than half a century since its discovery, the helix folding and stabilization still remains an unsolved problem. About 30% of the amino acids in proteins exist as part of the alpha helical unit. An ideal alpha helix consists of H-bonds between ith CO and (i+4)th NH, with 3.6 residues per turn and a pitch of 5.5 Å. A typical right-handed alpha helix falls in the  $-64 \pm 70$  and  $-41 \pm 70$  regions of the Ramachandran map. If the peptide chain winds up tightly, an alternate helical structure called 310 helix is formed as a result of the hydrogen bond between ith NH and i+3 CO with  $\phi = -49$  and  $\psi = -26$ . If the peptide chain winds up less tightly by H-bond formation between ith NH and (i+5)th CO, the result is a  $\pi$  helix ( $\phi = -55$ ;  $\psi = -70$ ), which is rare. The contiguous arrays of H-bonds in the alpha helix give rise to a rigid rod-like structure.

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.234/DEL/2006 A

(19) INDIA

(22) Date of filing of Application :27/01/2006

(43) Publication Date : 26/07/2013

(54) Title of the invention : A DIFFERENTIAL PRESSURE SENSING PROBE

(51) International classification :G01F 1/46

(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 :619/DEL/2000

Filed on :27/06/2000

(71)**Name of Applicant :**

**1)DIETERICH STANDARD INC.**

Address of Applicant :5601 NORTH 71st STREET,  
BOULDER, CO 80301, U.S.A.

(72)**Name of Inventor :**

**1)EVANS RUSSELL N.**

**2)BEACHEY TERRY X.**

(57) Abstract :

A differential pressure measuring probe with an improved signal to noise ratio is provided. The probe includes an impact surface with at least one longitudinally extending impact aperture. The width of the aperture is selected to be less than the width of an interior portion of a first plenum. A non-impact surface is provided with non-impact apertures to measure a second pressure such that differential pressure between the impact surface and the non-impact surface can be measured.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.387/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :15/02/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : A POWER CONDITIONING UNIT.

(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 :

**1)SU-KAM POWER SYSTEMS LTD.**

Address of Applicant :306, KIRTI DEEP BUILDING,  
NANGAL RAYA, NEW DELHI-110046 India

(72)Name of Inventor :

**1)KUNWER SACHDEV**

**2)SANJEEV KUMAR SAINI**

**3)PRASHANT SHARMA**

**4)TARKESHWER GAUTAM**

(57) Abstract :

This invention relates to a power conditioning unit for running the load by selecting the power from at least one DC power source or AC power source or both comprising: an inverter cum grid charger cum AVR for converting the direct current generated by DC power source into alternating-current or AC power to DC power, a charge controller and a control unit connected to each other wherein the control unit comprising real time counter for controlling power inverter cum grid charger cum AVR, a memory for storing data and user interface UI through which the user can select the operating mode and view various parameters of the system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2204/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :04/08/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : A SYSTEM FOR PERFORMING HIGH RATE DISCHARGE CAPACITY TEST OF BATTERIES

(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 :

**1)SU-KAM POWER SYSTEMS LIMITED**

Address of Applicant :306, KIRTI DEEP BUILDING,  
NAGAL RAYA NEW DELHI-110046, INDIA

(72)Name of Inventor :

**1)KUNWER SACHDEV**

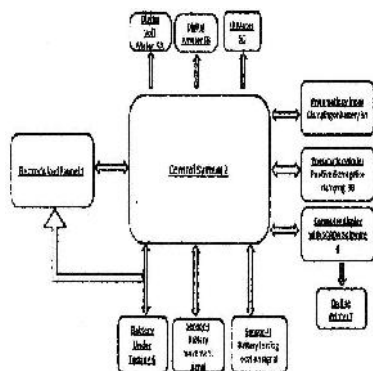
**2)SANJEEV KUMAR SAINI**

**3)MANOJ GOEL**

**4)DEEPAK PANDEY**

(57) Abstract :

The invention relates to a system for performing high rate discharge capacity of batteries, comprising a load assembly, a control unit, a mechanical assembly and a communication means, wherein the load assembly constitutes a transistor assembly and provides discharge path to the system and consists of N transistors, an X-power transistors, the N-transistors connected in parallel configuration to carry (NxY) Amp current, wherein said each of said N-transistors carries current of Y Amp, wherein said X power transistors connected in parallel and including at least one driver transistor; and wherein said control unit controls the discharge current through the transistor assembly. {FIGURE 1 }



No. of Pages : 24 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2787/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : REVERSE TURN INDUCER

(51) International classification	:B23B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)INDIAN INSTITUTE OF TECHNOLOGY, DELHI</b>
(32) Priority Date	:NA	Address of Applicant :HAUZ KHAS, NEW DELHI -
(33) Name of priority country	:NA	110016, INDIA
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)HARIDAS, V.</b>
(87) International Publication No	:NA	<b>2)SADANANDAN, SANDHYA</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Proteins are remarkable molecules 'with vital biological significance. They have hierarchical organization, consisting of primary, secondary, tertiary and quaternary structures. Secondary structure, with unique side chain orientation, imparts specific biological function to proteins, The construction of unique protein folds is a challenging topic to chemists. Efforts to mimic important structural features of proteins using a minimum number of amino acid residues and suitable chemical modification, rendered much scope for medicinal chemistry, and thus a new area, called peptidomimetics, emerged. Construction of proteins with minimal size and embodying all the functional features with minimal structural complexity - the so-called minimalistic design - is much sought after by chemists, biologists and protein engineers worldwide. The advantage of such design is that catalytic functionalities can be installed as in natural enzymes, and varying substrate specificities has the potential to result in a new generation of enzymes with diverse utility. The design and generation of molecules, which, due to their specific 3D molecular architecture, are capable of mimicking conformationally defined binding or functional sites of natural proteins, is a promising strategy for exploring and understanding protein structure and function. In addition to their significance for the understanding and modulation of protein-ligand interactions, such synthetic protein mimetics/ peptidomimetics are useful tools for a range of biomedical applications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2996/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :15/12/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : A LIGHT CONTROL SYSTEM WITH LOW POWER CONSUMPTION, AND A METHOD FOR CONTROLLING AND DIMMING ILLUMINATION OF A LIGHTING SYSTEM

(51) International classification	:H01J	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SU-KAM POWER SYSTEM LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :306, KIRTI DEEP BUILDING,
(33) Name of priority country	:NA	NANGAL RAYA, NEW DELHI - 46, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)KUNWER SACHDEV</b>
(87) International Publication No	:NA	<b>2)SANJEEV KUMAR SAINI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SHIVA PRASAD E</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a lighting control system with low power consumption, comprising a supply section having a solar panel (1) with a solar charge control (2) a mains AC (3) with an AC-DC charger (4), section of supply source (1,3) being one of automatic user defined priority selection (6), the selected supply (3,) connected to a secondary storage device (7), a DC-DC converter (8) with an energy storage device (7) which supplies DC supply to DC lighting and Non-lighting load (9) and feedbacks the DC non-lighting and lighting load voltage and current to a controller (11) through a feedback section (10) wherein the supply section is connected with the controller (11), such that the AC from mains (3) is supplied to a phase controlled static switch (12) which provides AC power to an AC load (14), a motion detection sensor (16) adapted for implementing security measures including turning ON/OFF, the AC and DC Lighting load (9,14), the motion detection sensor (16) providing signal to an alarm/ buzzer (17), a display (18) for displaying the status of the AC and DC Lighting and Non-Lighting load parameters, a real time clock (19), a light sensor (20), and an user interface (21) for parameter settings are controlled by the controller 11.

No. of Pages : 31 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.237/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED KNOB MECHANISM FOR CIRCUIT BREAKERS

(51) International classification :H01H71/74  
(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)LARSEN & TOUBRO LIMITED**

Address of Applicant :L&T HOUSE, BALLARD ESTATE,  
MUMBAI-400001, MAHARASHTRA STATE, INDIA

(72)Name of Inventor :

**1)NILESH SURESH DONGRE**

(57) Abstract :

Disclosed herein is an improved knob mechanism for a circuit breaker. The knob comprises a first surface positioned towards contact system of the circuit breaker, a second surface positioned towards protection release system and a fork for mounting the knob. The imaginary line passing through the first surface and the second surface also passes through the centre of the fork. Further, the surface on which the force is applied is parallel to the line passing through the centre of rotating profile thereby utilizing applied forces to maximum extent without losses and reducing the efforts required to operate the circuit breaker.

No. of Pages : 15 No. of Claims : 6

(54) Title of the invention : CHANGEOVER SWITCH WITH MULTIPLE ACTUATIONS

(51) International classification	:H02P 25/16; H02K 17/30	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI - 400 001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)JAMMULA AJITH KUMAR</b>
(33) Name of priority country	:NA	<b>2)SADANAND GIRIDHAR CHOUDHARI</b>
(86) International Application No	:NA	<b>3)SANDEEP RAVEENDRAN MENON</b>
Filing Date	:NA	<b>4)SACHIN MADHUKAR PAWAR</b>
(87) International Publication No	:N/A	<b>5)ROHIT NARESH PATIL</b>
(61) Patent of Addition to Application Number	:NA	<b>6)PANKAJ BATTATRAYA THAKUR</b>
Filing Date	:NA	<b>7)YOGESH NARAYAN PATIL</b>
(62) Divisional to Application Number	:NA	<b>8)PRAMOD LAXMAN FEGADE</b>
Filing Date	:NA	

(57) Abstract :

The present invention provides a changeover switch with multiple actuations, comprising a top plate and a bottom plate each having slots for guiding top and bottom pins, an actuation mechanism for centre actuation and side actuation and a rack-pinion arrangement for connecting centre actuation and side actuation. The actuation mechanism has a top disconnecting means and a bottom disconnecting means, each having toothed pitch wherein the top pin actuates the top disconnecting means and the bottom pin actuates the bottom disconnecting means, an actuating element adapted on a centre shaft, the actuating element has toothed pitch engageable with the toothed pitch of the top disconnecting means and the bottom disconnecting means for multiple actuations and a resilient means for each of the top disconnecting means and bottom disconnecting means to control the movement of the top and bottom pin wherein the movement of the pins beyond a dead center position is manually independent. The rack pinion arrangement has a center pinion gear mounted on the centre shaft, a side pinion gear mounted on a side shaft off-centrally and a rack having toothed pitch engaging the center pinion gear from one end and the side pinion gear from the other end.

No. of Pages : 23 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.691/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : CIRCUIT BREAKER WITH FLEXIBLE LOWER CONTACT

(51) International classification	:H01H 83/00; H01H 75/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L&T HOUSE, BALLARD ESTATE, MUMBAI - 400 001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)NILESH DONGRE</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 circuit breaker and method for manufacturing a lower contact of the circuit breaker is provided. The circuit breaker includes an upper contact and a lower contact, wherein the current carrying component of the lower contact is formed out of an array of plurality of metallic sheets which are solidified together at selective locations based upon the flexibility requirement of the lower contact. As a result, the current carrying component is made in a single piece and has flexibility at selective locations thereby enhancing the current carrying capacity and contact gap of the circuit breaker.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.692/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : COMPOSITION FOR SPERMATOGENESIS

(51) International classification	:C12N 5/076; C12N5/10	(71) <b>Name of Applicant :</b> <b>1)SANZYME LIMITED</b> Address of Applicant :A-2, SILVER BELLE, SRINIVAS BAGADKAR MARG, J.B. NAGAR, ANDHERI (EAST), MUMBAI-400 059, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)K.V.S. PRASAD</b>
(33) Name of priority country	:NA	<b>2)JAY L. SOMAN</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 is provides compositions comprising combination of gonadotropins for promoting spermatogenesis in males. Particularly the present invention provides a composition comprising a mixture of gonadotropins selected from but not limited to group consisting of Follicle-stimulating hormone (F5H), Luteinizing hormone (LH) and Human chorionic gonadotropin (hCG), and pharmaceutical formulations comprising the same.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.239/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :02/02/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : STABLE SOLID PHARMACEUTICAL COMPOSITION OF CLOPIDOGREL

(51) International classification	:A61K31/4365; A61K9/20,	(71) <b>Name of Applicant :</b> <b>1)MACLEODS PHARMACEUTICALS LIMITED</b> Address of Applicant :304-ATLANTA ARCADE,OPP LEELA HOTEL, MAROL CHURCH ROAD, ANDHERI (EAST), MUMBAI-400 059, 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)AGARWAL RAJENDRA MURLIDHAR</b>
(61) Patent of Addition to Application Number	:NA	<b>2)MAHESHWARI HITESH KUMAR</b>
Filing Date	:NA	<b>3)BHAT RAMDAS</b>
(62) Divisional to Application Number	:NA	<b>4)KUMAR PRAMOD</b>
Filing Date	:NA	

(57) Abstract :

The present invention provides a solid oral pharmaceutical composition comprising clopidogrel or pharmaceutically acceptable salt thereof, formulated using a mixture of solid and liquid excipient, along with at least one pharmaceutically acceptable excipient. The present invention also relates to a process for the preparation of solid oral clopidogrel composition using a mixture of solid and liquid lubricant and at least one pharmaceutically acceptable excipient. The composition exhibits improved stability and processability along with desired dissolution profile.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.239/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : FOOL-PROOFING MECHANISM FOR MCC MODULE

(51) International classification :F02D29/06  
(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)LARSEN & TOUBRO LIMITED**

Address of Applicant :L&T HOUSE, BALLARD ESTATE,  
MUMBAI-400001, MAHARASHTRA STATE, INDIA

(72)Name of Inventor :

**1)ROHIDAS H. LASTE**

**2)RAVINDRA KADAM**

(57) Abstract :

A fool-proofing mechanism is provided for toggling between positions of a MCC Module. The fool-proofing mechanism comprising a handle assembly to engage with a mechanism shaft of the MCC Module comprising a front segment, the front segment having a square cross-section; a middle segment, the middle segment having a circular cross-section and a rear segment, the rear segment having a square cross-section internally and a circular cross-section externally, a part of the rear segment being disposed inside the middle segment to receive at-least a part of the front segment to couple the segments, and a bracket mounted on the MCC Module, the bracket comprising a front plate, the front plate having a square aperture for receiving the handle assembly; and a rear plate, the rear plate having a circular aperture for receiving the mechanism shaft, wherein when the handle assembly is engaged, the front segment of the handle assembly will be in between the plates of the bracket, and the middle segment of the handle will remain in the aperture of the front plate till one of the positions is reached.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.698/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : A CIRCUIT BREAKER WITH AN IMPROVED ARC QUENCHING SYSTEM

(51) International classification	:H01H9/30; H01H9/34	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate 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)ROY Jibanesh;</b>
Filing Date	:NA	<b>2)NAHATA Deepak P.</b>
(87) International Publication No	: NA	<b>3)GADGIL Rohit C.</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 circuit breaker system having enhanced breaking capacity. The system comprises housing, shell means (3), moving contact means (2), fixed / lower contact means (4) and bellow arrangement (1). The bellow arrangement (1) is operatively engaged with the moving contact means such that movement the moving contact means correspondingly moves the bellow arrangement in a manner that any vacant volume between said moving contact means and said fixed/lower contact means is operatively sealed thereby increasing pressure differential existing therebetween front and behind the arc whereby velocity of arc towards arc chute conventionally present in the circuit breaker increases reducing total arcing time and the let through energy of the circuit breaker. The invention also relates to an improved arc quenching mechanism for use in circuit breakers comprising the bellow arrangement.

No. of Pages : 21 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.699/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : A METHOD AND AN APPARATUS FOR MEASUREMENT OF CONTACT LOADING FORCE IN A CIRCUIT BREAKER

(51) International classification	:H01H 1/00; H01H83/00	(71)Name of Applicant : <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)RAJHANS Rupesh S.;</b>
(33) Name of priority country	:NA	<b>2)DASH Sudhansu S.;</b>
(86) International Application No	:NA	<b>3)KUMBHAR Mahesh S.;</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 an apparatus for direct measurement of contact loading force in a vacuum circuit breaker (VCB).The apparatus comprising plurality of spring; plurality of simulated vacuum interrupter, a digital load indicator operatively connected with the load cell. The interrupter comprising mounting stem; a main contact means comprising a fixed contact connected with the mounting stem and a moving contact connected with the moving electrode; a moving electrode operatively connected with the spring; plurality of balloon placed on the electrode for its movement; and a load cell placed between the fixed and moving contact adapted for load measurement. The circuit breaker is close the moving contact is pressed against fixed contact such that the spring gets compressed and exerting force on the main contact means so that the force is measured by the load cell and the force is transferred from the load cell to digital load indicator.

No. of Pages : 14 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.223/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR ASSESSMENT OF AN ENTERPRISE'S PROGRESS TOWARDS SERVICE ORIENTATION.

(51) International classification	:G09B 7/00	(71)Name of Applicant : <b>1)TATA CONSULTANCY SERVICES LIMITED</b> Address of Applicant :NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, 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)INDRA, PARTHAPRATIM</b>
(87) International Publication No	:N/A	<b>2)CHAUDHURY, RUPAM</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KUMAR, NAGENDRA</b>
Filing Date	:NA	<b>4)PANTHAYIL, PRASAD</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method for assessment of an enterprise's progress towards service orientation is disclosed. The input capturing module captures info flow regarding service orientation from one or more information sources for further processing and assessment. The assessment hierarchical model is developed which further includes assessment parameters, dimensions, sub-dimensions and characteristics. The maturity model is developed to determine current and target maturity levels towards the Service Oriented Enterprise (SOA) adoption. An output module further generates one or more assessment reports and also provides recommendation to scale-up the current maturity level up to the target maturity level.

No. of Pages : 19 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.720/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : DRILL LESS DRIVESHAFT MECHANISM FOR USE IN CIRCUIT BREAKERS

(51) International classification	:F16H 1/22; F16D 21/06	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)KHARADE Varsha K.;</b>
(33) Name of priority country	:NA	<b>2)OCHANI Deepak M.;</b>
(86) International Application No	:NA	<b>3)DONGRE Nilesh S.;</b>
Filing Date	:NA	<b>4)AGARWAL Alok;</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 an improved driveshaft for use in circuit breakers, said drive shaft comprises a driveshaft means (1), plurality of pin means comprising first pin means (pin 4), second pin means (pin 3) and third pin means (pin 6), at least one spring means (5), moving contact means (2). The drive shaft means comprising a pivot point means having said first pin means (pin 4) adapted to accommodate the moving contact means (2) and the spring means (5) operatively connected between the second pin means (pin 3) and the third pin means (pin 6) such that achieving optimum contact force in the ON condition to keep the potential drop at the contact buttons to the minimum.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.721/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED SWITCHGEAR ARRANGEMENT WITH LESS WATT-LOSS

(51) International classification	:H02B 11/26; H02B 13/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)PANDA Debasis;</b>
(33) Name of priority country	:NA	<b>2)TOMAR Brajesh Singh;</b>
(86) International Application No	:NA	<b>3)SINHA Neeraj;</b>
Filing Date	:NA	<b>4)NIMANI Mukesh L.;</b>
(87) International Publication No	: NA	<b>5)AGWEKAR Ajit A.;</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 an improved switchgear arrangement with less watt-loss. The arrangement comprises plurality of electromagnets being operatively connected with each other. In which each of said electromagnets being placed one top on the other in a manner that two consecutive electromagnets of the plurality of magnets comprising current axes substantially perpendicular to each other and at least last two electromagnets in the sequence of the electromagnets. having less number of turns than the remaining electromagnets so as to provide lesser watt loss in transmission.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.722/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED AUXILIARY CONTACT ACTUATION ARRANGEMENT

(51) International classification	:H01H 71/46; H01H 71/56	(71)Name of Applicant : <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)GHOSH Poulomi;</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 an improved auxiliary contact actuation arrangement. The arrangement comprises a housing (1). shaft means (2). rotor means (3), bush means (4), plurality of auxiliary contact means (5,6) operatively mounted on said housing (1)plurality of lever means (5a. 6a) operatively connected to said auxiliary contact means. The shaft means (2) being rotatably partially disposed inside said rotor means (3) whereby outside surface of said rotor means (3) being partially or fully secured in said bush means (4).; The shaft means (2) when rotated through an appropriate angle provides simultaneous rotation of both the bush means (4) and rotor means (3) so as to drive the lever means actuating the auxiliary contact means to provide indication of the ON or OFF state of conventional switch disconnecter. The bush means (4) being provided with plurality of positions achieved by actuating plurality of the auxiliary contact means or one auxiliary contact means or none of the auxiliary contact means at a time.

No. of Pages : 17 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.191/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : EXPERIMENTAL INVESTIGATION ON ULTIMATE LATERAL STRENGTH OF PARTIAL INFILLED BRACED FRAMES.

(51) International classification :E04B1/24E04G25/02  
(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 :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)SHAILENDRA KUMAR D. DUBEY**  
Address of Applicant :17, INDRAPRASATH COLONY,  
NEAR STADIUM, POST OFFICE-VIDYANAGARI,  
WALWADI, DHULE 424 005, MAHARASHTRA, INDIA  
**2)DR. SUNIL Y. KUTE**  
(72)Name of Inventor :  
**1)SHAILENDRA KUMAR D. DUBEY**  
**2)DR. SUNIL Y. KUTE**

(57) Abstract :

For high rise buildings in general SOFT STOREYS (frames without infill or complete opening) are provided at parking level. Such soft storeys Collapse at the time of earthquake at rector Scale 6 and above because such frames have lesser lateral load capacity in comparison to other level storeys . Infill walls are mostly considered as non-structural elements. But such walls are effective for carrying LATERAL LOADS, for that experimental investigation was planned and conducted to study the effect of partially infilled braced Steel frames in comparison to bare steel frames, for partial infill different materials like cement mortar and plain cement concrete were used. The important aspect is that no lugs are used between infill and frame. All these frame including bare frames are tested up to collapse and results are reported. The behaviour of such frames subjected to horizontal loads alone been tested and useful conclusions are drawn.

No. of Pages : 13 No. of Claims : 1

(54) Title of the invention : A CAPSULE FUEL STORAGE TANK FOR VEHICLE AND METHOD OF MANUFACTURING THEREOF

(51) International classification	:F17C13/08; F17C5/00; F17C13/06	(71)Name of Applicant : <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, MUMBAI-400001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)SACHIN LALE</b>
(33) Name of priority country	:NA	<b>2)MANASI MONE</b>
(86) International Application No	:NA	<b>3)MAHESH SHINDE</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 capsule fuel storage tank for vehicle, said fuel storage tank comprises; a cylindrical shell (1) constituting a middle portion; a first spherical cup (2a) and second spherical cup (2b) fitted on end of said cylindrical shell (1) respectively; at least two baffles (3a and 3b) fitted at the joinery of said cylindrical shell(1) and said first spherical cup (2a) and second spherical cup and (2b) respectively; said cylindrical shell (1) having a filler neck assembly (4) for filling fuel in said tank, an assembly fuel suction and level sensor unit flange (5), a fuel return pipe (6), a drain plug (7); a metal straps (8a and 8b) provided for mounting said fuel tank; a mounting brackets (9a and 9b) provided on chassis for mounting said fuel tank. The cylindrical shell (1) comprises a joggle ends portion (13) at both side on which said spherical cups (2a and 2b) are fitted respectively. The said spherical cups comprise depression (11) to increase the stiffness. The fuel tank assembly is mounted onto vehicle chassis (10) with metal mounting straps (8a and 8b) located on joggle end of cylindrical shell (1) and over the spot welded baffles helping to locate straps and retain them in place. Said baffles dampen the sloshing of fuel in the tank and act as reinforcement for the mounting of tank. The spherical cups dampen sloshing movement of fuel in addition to baffles and actual load on end portions is reduced. The shape of spherical cups itself functions as baffle and improves overall structural and slosh strength tank thus less baffles are required and reduce the cost of manufacturing of capsule fuel tank.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.850/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : LABEL EJECTION DEVICE•

(51) International classification	:B65C 9/18
(31) Priority Document No	:61/255,698
(32) Priority Date	:28/10/ 009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/066374
Filing Date	:28/10/2010
(87) International Publication No	:WO/2011/051396
(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)SICPA HOLDING SA**

Address of Applicant :Avenue de Florissant 41 1008 Prilly  
Switzerland

(72)**Name of Inventor :**

**1)FEFIN Christian**

(57) Abstract :

The invention relates to a label ejection device, a labeling printing system comprising said device and a method for discarding labels, in particular self-adhesive labels. The invention is concerned in particular with preventing faulty labels from being applied to items (or containers containing such items), with minimal attendant interruption of machine operation. The effective labeling systems and equipment are not perfect and, on occasion, incorrect or faulty labels may be applied to containers. There is a need for an improved label ejection device and an improved labeling printing system that more efficiently and effectively removes labels from a sheet like support. An object of the present invention is to improve the apparatuses, systems and methods for discarding and collecting labels, in particular self-adhesive labels.

No. of Pages : 42 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.695/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : A SYSTEM FOR EFFLUENT TREATMENT AT COKE OVEN PLANT AND A METHOD FOR SUCH TREATMENT

(51) International classification	:C10B 39/06; C10B 39/00	(71) <b>Name of Applicant :</b> <b>1)JSW STEEL LIMITED</b> Address of Applicant :JINDAL MANSION, 5-A, DR. G. DESHMUKH MARG, MUMBAI - 400 026, STATE OF MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)PIMPLE SUHASINL</b>
(33) Name of priority country	:NA	<b>2)DEVANNA MAMATHA</b>
(86) International Application No	:NA	<b>3)KUMAR VIJAYA</b>
Filing Date	:NA	<b>4)PRASAD SMR</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 invention relates to a system for effluent treatment at coke oven byproduct plant and a method for carrying out such effluent treatment using such system. The invention provides for an efficient system and method for treatment of contaminated effluent water and condensates generated during cleaning of coke oven gases involving bio-degradation process so as to eliminate oil, phenol, total dissolved solids (TDS), total suspended solids (TSS) to conform to the norms of waste water discharge and recycling of treated water. Importantly, the effluent treatment process involves innovative method of cleaning water contaminated with oils, phenol, cyanides, TDS, TSS in through a combination of Membrane bio reactor(MBR) and Reverse osmosis(RO). The activated sludge present in MBR helps in removing organics before RO and reduces the pressure on RO membrane, thereby, cleaning the water efficiently,

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.852/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : IN-WHEEL MOTOR DRIVE ASSEMBLY

(51) International classification	:B60K 7/00,F16H 1/32	(71) <b>Name of Applicant :</b> <b>1)NTN CORPORATION</b> Address of Applicant :3-17 KYOMACHIBORI 1-CHOME, NISHI-KU, OSAKA-SHI, OSAKA 550-0003, JAPAN
(31) Priority Document No	:2009-235111	
(32) Priority Date	:09/10/2009	
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/065742	<b>1)MAKINO, TOMOAKI</b>
Filing Date	:13/09/2010	<b>2)YAMAMOTO, KEN</b>
(87) International Publication No	:WO/2011/043161	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An air-cooled, in-wheel motor drive device (21) is provided with a lubricating oil circuit which is configured in such a manner that a lubricating oil which is discharged from a lubricating oil pump (51) lubricates a reduction section (B) by flowing and circulating through oil paths (54, 55, 56) which are connected to each other and are provided in a casing (22), an oil path (57) which is provided in a motors rotating shaft, an oil path (58) which is provided in the reduction sections input shaft, and the inside of the reduction section (B), and that the lubricating oil which flows through the oil paths (54, 55, 56), which are provided in the casing, and is cooled by outer peripheral fins (22f) cools a motor section (A) and the reduction section (B).

No. of Pages : 39 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.853/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR FIXING AN ADDITIONAL PART TO A GLAZING OR A PROFILED RIM; FIXING DEVICE FOR FIXING SAID PART; AND GLAZING OBTAINED BY SAID METHOD•

(51) International classification :B29C 65/60  
(31) Priority Document No :0956852  
(32) Priority Date :01/10/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/052080  
Filing Date :01/10/2010  
(87) International Publication No :WO/2011/039490  
(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)SAINT-GOBAIN GLASS FRANCE**  
Address of Applicant :18 Avenue d'Alsace F-92400  
Courbevoie France  
(72)Name of Inventor :  
**1)VERRAT Ad'le**  
**2)FROISSARD Lo'c**

(57) Abstract :

The invention relates to a method for fixing an additional part (2) consisting of a plastic material, such as a decorative cover, to the periphery of a glazing (1) and especially to part of a profiled rim (3) fixed to the periphery of the glazing (1), said additional part (2) having a rear face (21) comprising fixing means for fixing to said glazing (1) or said profiled rim (3). The invention is characterised in that the rear face (21) comprises a plurality of appendices (22, 22) that each penetrate into a hole (10, 10) in said profiled rim (3) or said glazing (1), and protrude at the two ends thereof onto two respectively opposite faces of the profiled rim (3) or the glazing (1), the distal end (23, 23) of each appendix protruding past a rear face (31) respectively of said profiled rim or said glazing defining the hole (10, 10), and in that each distal end (23, 23) of each appendix is deformed by a temporary softening, preferably by the application of ultrasounds, in order to come into contact with the rear face (31) of said profiled rim or said glazing at the periphery of the hole (10, 10) and preferably over the entire periphery of the hole (10, 10).

No. of Pages : 29 No. of Claims : 17



(12) PATENT APPLICATION PUBLICATION

(21) Application No.224/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SELECTIVE DISPERSION-FLOCCULATION METHOD FOR BENEFICIATING ALUMINA RICH IRON ORE SLIMES.

(51) International classification	:C09C 1/42	(71)Name of Applicant : <b>1)TATA CONSULTANCY SERVICES LIMITED</b>
(31) Priority Document No	:NA	Address of Applicant :NIRMAL BUILDING, 9TH FLOOR,
(32) Priority Date	:NA	NARIMAN POINT, MUMBAI 400021, MAHARASHTRA,
(33) Name of priority country	:NA	INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)RAI, BEENA</b>
(87) International Publication No	:N/A	<b>2)PRADIP</b>
(61) Patent of Addition to Application Number	:NA	<b>3)JAIN, VINAY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process and a combination of reagents for the recovery of iron from the natural alumina rich iron ore, is provided. A selective dispersant flocculant combination is used that extracts the iron from alumina laden iron ore slimes and fines with minimal environmental impact as a consequence of safe disposal of residue material (tailings) for the iron ore beneficiation industries.

No. of Pages : 28 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.583/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :05/03/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : IMIDAZOLIDINE-2-THIONE & IMIDAZOLE-2-THIONE DERIVATIVES AND PROCESS FOR THEIR PREPARATION

(51) International classification	:C07D233/42; C07D409/04; C07D407/04	(71) <b>Name of Applicant :</b> <b>1)NIRMA UNIVERSITY</b> Address of Applicant :NIRMA UNIVERSITY SARKHEJ- GANDHINAGAR ROAD, AHMEDABAD 382481, GUJARAT, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)JIGNASA KETAN SAVJANI</b>
(33) Name of priority country	:NA	<b>2)ANURADHA KETAN GAJJAR</b>
(86) International Application No	:NA	<b>3)KETAN TULSIDAS SAVJANI</b>
Filing Date	:NA	<b>4)NAVNEET CHAUHAN</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 invention provides novel Imidazolidine-2-thione and Imidazole-2-thione derivatives which may have pharmaceutical or non pharmaceutical use and also provides synthetic methods for preparation of said compounds.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.700/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED WIDE BAND SHUNT RELEASE ASSEMBLY FOR USE IN CIRCUIT BREAKERS

(51) International classification	:H01H83/00; H01H71/00	(71)Name of Applicant : <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)SHARMA Gouri Shankar;</b>
Filing Date	:NA	<b>2)DAVE Mahendra C.;</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 an improved wide band shunt release assembly for use in circuit breakers. The assembly comprises a housing, a fixed magnet means (140), a movable magnet means (180), spring means (160), a plunger means (150), a coil means (170). The coil means (170) being operatively connected to an auxiliary contact means (220), which is being operatively mounted on the circuit breaker. During pick up the plunger means (150) being transmitted force to the breaker and hence the breaker gets off (trip). The spring means (160) adapted to provide the movable magnet means (180) for resetting to its original position.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.701/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : A ROTARY CONTACT SYSTEM FOR USE IN SWITCH DISCONNECTORS

(51) International classification	:H01H 33/77; H01H 31/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)JAMMULA Ajith Kumar;</b>
(33) Name of priority country	:NA	<b>2)MADAKKAVIL Sreekala;</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 rotary contact system is for use in switch disconnecter. The system comprising a rotor means (G) substantially having circular modular profile, a first module and a second module where the first module is flanked substantially diametric to second module. The first module comprising plurality of components. The plurality of components of first module comprising a holder means (H) , a fixed means (A) operatively associated with said holder means (H) adapted to initiate the flow of input current in ON state , plurality of energy storing elements (E) , plurality of rest means (C) where each rest means is operatively connected with said holder means(H), plurality of link means (B) where each link means having substantially L-shape , plurality of pins means (J) adapted to pivot/fix said link means (B) into the holder means(H), plurality of flexible means (D) .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.869/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : INTERFERENCE CANCELLATION FOR WIRELESS COMMUNICATIONS•

(51) International classification :H04L 1/00  
(31) Priority Document No :12/564,607  
(32) Priority Date :22/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/049690  
Filing Date :21/09/2010  
(87) International Publication No :WO/2011/037931  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
United States of America

(72)Name of Inventor :

**1)BLACK Peter J.**

**2)LOTT Christopher G.**

**3)ATTAR Rashid A.**

**4)JOU Yu-Cheun**

**5)MA Jun**

(57) Abstract :

Techniques for improving the capacity of a wireless communications system using interference cancellation (IC). In an early decoding and IC aspect, a frame transmitted from a user to a base station may be decoded prior to the entire frame being received by the base station. The remaining portion of the frame may then be re-constructed at the base station prior to its reception, and cancelled from the receive signal to reduce the interference to frames received from other users. In a power control aspect for early decoding and IC, the power control target level at a local base station may be adjusted in response to successfully early decoding a frame, without affecting the overall outer loop power control operation. Further aspects include late decoding techniques for utilizing the IC of other users signals to improve the probability of decoding a given users frames, as well as techniques for traffic channel demodulation using channel re-estimation.

No. of Pages : 68 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.241/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR MAINTAINING QUALITIES OF COMMUNICATIONS SERVICES OF MULTIPLE RAT MODULES SHARING ONE ANTENNA IN A COMMUNICATIONS APPARATUS AND COMMUNICATIONS APPARATUSES UTILIZING THE SAME

(51) International classification	:H04W16/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MEDIA TEK INC.</b>
(32) Priority Date	:NA	Address of Applicant :NO. 1, DUSING RD. 1ST,
(33) Name of priority country	:NA	SCIENCE-BASED INDUSTRIAL PARK, HSIN-CHU 300,
(86) International Application No	:NA	TAIWAN, R.O.C. Taiwan
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	<b>1)TZUI LU</b>
(61) Patent of Addition to Application Number	:NA	<b>2)JUI-PING LIEN</b>
Filing Date	:NA	<b>3)HUNG-YUEH CHEN</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A communication apparatus is provided. A processor is coupled to first and second RAT radio access technology (RAT) modules and a radio transceiver is shared by the first and second RAT modules. The processor comprises first processor logic for dynamically determining an amount of neighbor cell(s) to be monitored by the second RAT module during data transfer of the first RAT module according to a condition of the second serving cell and second processor logic for facilitating the second RAT module to monitor the determined amount of neighbor cell(s).

No. of Pages : 38 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.713/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM FOR PRODUCTION OF CARBONATE NANOPARTICLES AND A PROCESS FOR SYNTHESIS OF THE SAME USING THE SAID SYSTEM

(51) International classification	:B01J 13/02; B01D61/14	(71)Name of Applicant : <b>1)VISHWAKARMA INSTITUTE OF TECHNOLOGY</b> Address of Applicant :666, BIBWEWADI, UPPER INDIRANAGAR, PUNE 411 037 Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)SONAWANE SHIRISH HARI</b>
(33) Name of priority country	:NA	<b>2)KUNTE KSHITIJ JAYANT</b>
(86) International Application No	:NA	<b>3)SHIRSATH SACHIN RANGNATH</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 low cost process based on cavitation mechanism to synthesize nanoparticles of calcium carbonate material is described. CO<sub>2</sub> gas is inserted into the section of cavitation zone which affects the micromixing, thereby resulting in narrow size particle distribution.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.870/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : INTERFERENCE CANCELLATION FOR WIRELESS COMMUNICATIONS•

(51) International classification :H04B 1/707

(31) Priority Document No :12/564,633

(32) Priority Date :22/09/2009

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

(86) International Application No :PCT/US2010/049 02

Filing Date :21/09/2010

(87) International Publication No :WO/2011/037934

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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5775 Morehouse Drive San Diego California 92121-1714  
United States of America

(72)Name of Inventor :

**1)BLACK Peter J.**

**2)LOTT Christopher G.**

**3)ATTAR Rashid A.**

**4)JOU Yu-Cheun**

**5)MA Jun**

(57) Abstract :

Techniques for improving the capacity of a wireless communications system using interference cancellation (IC). In an early decoding and IC aspect, a frame transmitted from a user to a base station may be decoded prior to the entire frame being received by the base station. The remaining portion of the frame may then be re-constructed at the base station prior to its reception, and cancelled from the receive signal to reduce the interference to frames received from other users. In a power control aspect for early decoding and IC, the power control target level at a local base station may be adjusted in response to successfully early decoding a frame, without affecting the overall outer loop power control operation. Further aspects include late decoding techniques for utilizing the IC of other users signals to improve the probability of decoding a given users frames, as well as techniques for traffic channel demodulation using channel re-estimation.

No. of Pages : 63 No. of Claims : 22



(12) PATENT APPLICATION PUBLICATION

(21) Application No.872/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : PELLET PRESS FOR PRODUCING PELLETS

(51) International classification :B30B 11/22  
(31) Priority Document No :10 2009 051 360.4  
DE  
(32) Priority Date :30/10/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/006645  
Filing Date :30/10/2010  
(87) International Publication No :WO/2011/050988  
(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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ANLAGENBAU**  
Address of Applicant :Heilbronnerstr. 20 75031 Eppingen  
Germany  
(72)Name of Inventor :  
**1)HEYMANNS Frank**  
**2)HAAS Gernot von**  
**3)NATUS G<sup>1</sup>/nter**  
**4)KROLL Detlef**

(57) Abstract :

The invention relates to a pellet press for producing pellets (10) from material which is to be compressed. At least one rolling roller (5) compresses the biomass (1) in the press direction (32) through the holes (13) of a die (4), which can be displaced by means of at least one drive (20), and/or rollers (5) to form pellets (10). The aim of the invention is to sufficiently support a flat, annular and optionally segmented die, to prevent deformation and to also provide a pellet press in which a die that is to be moved and that comprises a support device has a minimum number of parts and/or mass and passes through at least two press devices consisting of a press frame with at least one roller. Alternatively, the invention also aims to provide a pellet press in which at least one roller which is to be moved passes through at least two press frames. According to the invention, the die (4) and/or the rollers (5) are displaceably mounted in at least two press frames (21) and the die (4) is operatively connected to two coaxial support rings (8) for forming an annular chamber (29) and/or a support plate (31) with perforations (28) for guiding the pellets (10) in the press direction (32)

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.189/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/01/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : O-DESMETHYLVENLAFAXINE SUCCINATE POLYMORPH & PROCESS FOR PREPARING THEREOF

(51) International classification	:C07C55/10; C07C55/10	(71) <b>Name of Applicant :</b> <b>1)INTAS PHARMACEUTICALS LIMITED</b> Address of Applicant :INTAS PHARMACEUTICALS LIMITED, 2ND FLOOR, CHINUBHAI CENTRE, ASHRAM ROAD, AHMEDABAD 380009, 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)ASHESH KAMALNAYAN PANDYA</b>
(87) International Publication No	: NA	<b>2)CHIRAG GIRISHKUMAR NAIK</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SACHIN PANDITRAO SAWANT</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to novel crystalline form of O-desmethylvenlafaxine and a process for its preparation. The crystalline form of O-desmethylvenlafaxine of the present invention can be used for the manufacture of pharmaceutical compositions for the treatment of depression.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.707/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :12/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : TOP TERMINAL ARRANGEMENT FOR HIGHER BREAKING CAPACITY IN LOW VOLTAGE SWITCHGEAR

(51) International classification	:H02B 13/00; H02B 11/00;	(71)Name of Applicant : <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)PAUL Nirmal Joseph T.</b>
(33) Name of priority country	:NA	<b>2)CHOWDHURY Partha;</b>
(86) International Application No	:NA	<b>3)RAWOOL Siddhi K.;</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 an improved top terminal arrangement which is a component of switchgear. The switchgear comprises moving contact means (10), arc runner means (9), plurality of de-ion plate means (11), and fixed contact means (10). The top terminal (10) arrangement comprises main contact means having substantially a rectangular profile (8), arcing contact means having substantially a protruded profile (2, 3). An extra protrusion feature means (3) being operatively located at about center of said plurality of arcing contacts thereby arc strikes at about centre of said contacts so that heat distribution being almost uniform over said contact surface. Plurality of slots (4, 5, and 6) adapted to place a conventional arc runner means (9) so that are transition being smooth from said arcing contacts to said arc runner (9).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.708/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN AUTOMATIC ELECTRO SLAG STRIP CLADDING OVERLAY WELDING SYSTEMS FOR FLAT SURFACE

(51) International classification	:B23K9/04; B23K 20/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :LARSEN & TOUBRO LIMITED L&T HOUSE, BALIARD ESTATE, MUMBAI-400001, MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)SANJAY SINGH</b>
(33) Name of priority country	:NA	<b>2)VISHAL ANAND TIWARI</b>
(86) International Application No	:NA	<b>3)MITUL RAMESHBHAI PATEL</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 provides an automatic Electro Slag Strip Cladding (ESSC) overlay welding system. The system includes a welding head, a column and a boom manipulator, a welding positioner, a sensor, a first Variable frequency drive, a second Variable frequency drive, an encoder, and a Programmable Logic Controller and component. The system eliminating human reduces human intervention, thereby increasing accuracy and reducing cycle time. Further, the system enables elimination grinding and finishing process on the start and end points of overlay welding.

No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.885/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : OPEN MESH MATERIAL AND BAGS MADE THEREFROM•

(51) International classification :D04H 3/04

(31) Priority Document No :61/250,299

(32) Priority Date :09/10/2009

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

(86) International Application No :PCT/US2010/051765

Filing Date :07/10/2010

(87) International Publication No :WO/2011/044324

(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)XMESH TECHNOLOGY GMBH**

Address of Applicant :Millergasse 9 A-1 060 Vienna  
Austria

(72)Name of Inventor :

**1)FREI Robert**

**2)HEFNER Corbett**

**3)LANDERTSHAMER Fritz**

**4)MUELLER Alan**

(57) Abstract :

An open mesh material includes filaments (1, 2, 3, 4, 11, 12, 15, 16) that intersect one another. At least some of the filaments are composite filaments having a carrier portion of a relatively high melting point and a bonding portion of a relatively low melting point, the bonding portion of each composite filament being thermally bonded to other filaments at points of intersection. The material may be a non-woven fabric that contains at least two layers of weft filaments (1, 2, 11, 12) that may be bordered on one or both sides by a layer of warp filaments (3,4, 15, 16). When compared to other open mesh materials, the open mesh material disclosed herein has a superior combination of some or all of high strength, light weight, high dimensional stability, and openness. Also disclosed herein are articles can be made at least in part from the material including L-seam bags (20), form fill and seal (FFS) bags (1020), and multi-substrate bags (2,020). Methods of making those bags also are disclosed.

No. of Pages : 98 No. of Claims : 126

(12) PATENT APPLICATION PUBLICATION

(21) Application No.244/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING SECURE ACCESS TO A RESOURCE

(51) International classification	:G06F21/00, G06F1/00	(71) <b>Name of Applicant :</b> <b>1)SOMAIYA VIDYAVIHAR</b> Address of Applicant :VIDYANAGAR, VIDYAVIHAR(E), MUMBAI - 400 077, 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)CHINTAN SHAH</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 provides a system and method for providing secured access to a resource/object The method for providing secure access to a resource/object, the method comprising steps of: generating a plurality of elements randomly in a user interface; accepting a plurality of input elements entered by a user based on a predetermined pattern; and verifying the accepted input elements by matching the input elements with elements of a predetermined password. The system for providing secure access to a resource in a network comprises: a first user access terminal including a first memory; a second user access terminal including a second memory for storing a password; wherein the second user access terminal includes: a pattern generating module is configured for generating patterns randomly, and a control module configured for matching element indicated by the pattern with elements of the password for authenticating a user when the user inputs the password elements by selecting a pattern from randomly displayed elements.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.729/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :15/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYCHRONIZER TEST BENCH

(51) International classification	:F16H 61/04; F16D 23/02	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)HIRAL PATEL</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 :

According to present invention, Synchronizer test bench comprises; small capacity motor (2) and main motor (5) mounted on test bed (1) at ergonomic height for easy access to test engineer to load / unload test synchronizer (28) and gear (13), several flywheel (8) mounted on bearing assembly (9) to simulate reflected inertia on the gear (13), flywheel flange is provided with magnetic clutch (7) through which it gets connected to magnetic clutch (6) mounted on main motor (5), small motor (2) and main motor (5) can be connected through magnetic clutch (3,4), other flange of flywheel assembly is connected to gear adaptor (30) which holds test gear (13). Test synchronizer (28) is held in synchronizer adaptor (14) which is mounted on shaft (16). Load cell (21) is mounted at other end of Shaft (16) and further connects to torque sensor (22) to measure synchronization torque. Torque sensor is connected to linear actuator (23) which provides translational motion to synchronizer (28) during test. Gear and synchronizer adaptor (30, 14) are in test chamber (12). Oil level in test chamber is adjusted automatically during test through oil sump (19) and oil channel (18). Heater is provided in oil sump to maintain the temperature of oil during test. To prevent oil cooling insulation (17) is provided around oil sump.

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.894/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : RAILWAY ACTUATED ENERGY GENERATING DEVICE

(51) International classification	:F03G 7/00,B61B 13/08
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/US2010/002423
Filing Date	:01/09/2010
(87) International Publication No	:WO 2012/030315
(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)DAYA, ARVIND, A.**  
Address of Applicant :12350 MUIR FIELD CT.,  
FAYETTEVILLE, GA 30215, U.S.A.  
(72)**Name of Inventor :**  
**1)DAYA, ARVIND, A.**

(57) Abstract :

A rail train actuated energy device for the use in a path of a train includes an actuator arm for transverse disposed on side, parallel to rail tracks across the path of the track ties in a module mounted to the ground, wherein the actuator includes a Y type member, the bottom of the Y actuator is tied to a shaft with a one way clutch gear in a said module in oil bath, another shaft with a roller is attached to top two tips of Y. The actuator arm having being pushed by an Vtype attachment mounted to the edge of trains undercarriage on same side in line with the actuator arms. Thereby moving the actuator arm approximately 75+ degrees as the train passes. This motion of the actuator arm turns the shaft of the actuator arm with the one way clutch locked turning the gear attached to the one way clutch, housed in a module. This in-turn turns the adjacent one way clutch gears, where the gears is free riding on the adjacent shaft,this process repeated as the gear turns in the module which directly extends out of the transfer case to the gearbox. The gearbox turns the energy generator.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.865/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : COMPOSITIONS AND METHODS AND USES RELATED THERETO

(51) International classification :A61K 35/74  
(31) Priority Document No :20096058  
(32) Priority Date :13/10/2009  
(33) Name of priority country :Finland  
(86) International Application No :PCT/FI2010/050792  
Filing Date :13/10/2010  
(87) International Publication No :WO/2011/045471  
(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)Valio Ltd**  
Address of Applicant :Meijeritie 6 FI-00370 Helsinki  
Finland.  
(72)**Name of Inventor :**  
**1)KEKKONEN Riina**  
**2)MIETTINEN Minja**

(57) Abstract :

The present invention relates to the fields of life sciences and food, feed or pharmaceutical industry. Specifically, the invention relates to a composition comprising probiotics consisting of Lactobacillus rhamnosus LC705 alone or Lactobacillus rhamnosus GG and Lactobacillus rhamnosus LC705. Also the invention relates to the composition for use as a medicament. Furthermore, the present invention relates to uses of Lactobacillus rhamnosus LC705 alone or together with Lactobacillus rhamnosus GG for the manufacture of a composition for the treatment uses of Lactobacillus rhamnosus GG for the manufacture of a composition for the treatment and/or prevention of a respiratory infection in an adult and for and/or prevention of a respiratory infection and for intensifying resistance against viruses causing respiratory infections in a subject. Furthermore, the present invention describes intensifying resistance against viruses causing respiratory infections in an adult subject. Still, the present invention relates to uses of Lactobacillus rhamnosus for the manufacture of a composition for reducing, delaying or inhibiting influenza virus replication and for increasing antiviral cyto-kine(s) in a subject to be or being infected with a respiratory infection. Still, the present invention relates to methods of treating or preventing a respiratory infection in a subject or in an adult subject, intensifying resistance against viruses causing respiratory infections in a subject or in an adult subject, reducing, delaying or inhibiting influenza virus replication in a subject and increasing antiviral cyto-kine(s) in a subject to be or being infected with a respiratory infection.

No. of Pages : 31 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.867/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : A METHOD AND EXAMINATION DEVICE FOR IMAGING AN ORGAN

(51) International classification :A61B 3/14  
(31) Priority Document No :20096190  
(32) Priority Date :17/11/2009  
(33) Name of priority country :Finland  
(86) International Application No :PCT/FI2010/050920  
Filing Date :16/11/2010  
(87) International Publication No :WO/2011/061392  
(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)OPTOMED OY**  
Address of Applicant :Hallituskatu 13-17 D 96 FI-90100  
Oulu Finland.  
(72)**Name of Inventor :**  
**1)JOLMA Ilkka**  
**2)VIRTA Markku**  
**3)TUOHIMAA Mikko**  
**4)LIPPONEN Juha**

(57) Abstract :

A hand-held examination device for imaging the eye (106) comprises a user interface (108), infrared source (150) and visible light source (152). The infrared source (150) illuminates the eye (106) with infrared radiation, the examination device forms an image of the eye (106) while illuminated by infrared radiation, and the display shows the eye (106) illuminated by infrared radiation. The user interface (108) receives from the user a signal for generating an image. The visible light source (152) is switched on in a predefined manner in response to the received user signal for generating the image. The examination device generates at least one image of the eye (106) by using visible light in response to the received user signal for generating the image.

No. of Pages : 19 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.719/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : DRIVESHAFT FOR MOULDED CASE CIRCUIT BREAKER

(51) International classification	:H01H73/04; H01H71/52; H01H71/10	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)OCHANI Deepak M.;</b>
(33) Name of priority country	:NA	<b>2)KHARADE Varsha K.;</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 driveshaft mechanism for use in circuit breakers. The mechanism comprises a moving contact means (2), a drive shaft means (1) adapted to perform rotational motion and it comprises a slot means, plurality of pin means (3, 4, 6) and the pins comprises a first pin means (3) substantially positioned on the movable contact means (2), a second pin means (4) substantially accommodated inside said slot means and a third pin means (6) substantially located at the cease of said shaft means (1); and a pair of energy storing elements (5). The energy storing element is operatively connected between the first pin means (3) and the third pin means (6) adapted to achieve optimum contact force in the ON condition to keep the potential drop at the contact means to the minimum. The first pin means (3), second pin means (4) and third pin means (6) are substantially in same axis/line to define a toggling position. The moving contact means (2) rotates substantially beyond the toggling position due to a fault and gets locked due to a predefined net force provided by the energy storing elements (5).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.822/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHODS AND APPARATUSES FOR RATE ADAPTION IN RESPONSE TO NETWORK CONGESTION•

(51) International classification	:H04W 28/12,H04Q 3/00	(71) <b>Name of Applicant :</b> <b>1)QUALCOMM INCORPORATED</b> Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 United States of America
(31) Priority Document No	:61/247,095	
(32) Priority Date	:30/09/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/050874	(72) <b>Name of Inventor :</b>
Filing Date	:30/09/2010	<b>1)LEUNG Nikolai Konrad Nepomucceno</b>
(87) International Publication No	:WO/2011/041519	<b>2)MAHENDRAN Arungundram Chandrasekaran</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Apparatuses and methods for implementing explicit congestion notification (ECN) across disparate networks configurations and protocols are disclosed. In response to an indicated network congestion a data rate adjustment request is provided for requesting a lower data rate from a first user equipment (UE) in a first network.

No. of Pages : 78 No. of Claims : 58

(12) PATENT APPLICATION PUBLICATION

(21) Application No.222/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR MONITORING THE HEALTH STATUS OF ELECTRONIC APPLIANCES.

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA CONSULTANCY SERVICES LIMITED
(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)Name of Inventor :
(87) International Publication No	:N/A	1)KOLAY, SUBRATA
(61) Patent of Addition to Application Number	:NA	2)DASGUPTA, RANJAN
Filing Date	:NA	3)PAL, ARPAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and system is provided for monitoring the health status of electronic appliances. Particularly, the invention provides a method and system for registering electronic appliance with a diagnostic server; sampling transient and steady current signature of the said electronic appliance by a home energy gateway; uploading said sampled transient and steady current signature to the diagnostic server for further analysis; diagnosing health status of said electronic appliance based on the analysed transient and steady current signature; and reporting diagnosed health status of said electronic appliances to a user.

No. of Pages : 27 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.716/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :12/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : PORTABLE LASER MARKING SYSTEM

(51) International classification	:B23K26/00; B23K26/18	(71) <b>Name of Applicant :</b> <b>1)Aditi Laser Integrator</b> Address of Applicant :Office no. 3 Ground Floor Shubham Building Akurli Road Kandivali (East) Mumbai 400101 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)Kamdar Bhavin Gunvantrai</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 portable laser marking system that essentially comprises the components such as a laser head assembly, a laser source power supply along with inbuilt laser source diode, a fibre delivery system and these components are compactly embedded inside a mechanical housing. Said laser head assembly further consists of a laser head, followed by an attached kind of the fix beam expander where the laser beam is expanded and enters into the beam bender to reflect and collimate the laser beam to pass through beam passing member and eventually to a marking head by means of which the collimated beam from the beam bender being steered in two axes X and Y to mark inside the selected area of marking object adjusted by means of the computer or laptop. The marking head is controlled by the laser marking software in the computer and the galvo controller.

No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.824/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ELASTOMERIC CLOSURE WITH BARRIER LAYER AND METHOD FOR ITS MANUFACTURE

(51) International classification	:B65D 39/00
(31) Priority Document No	:61/250,251
(32) Priority Date	:09/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US10/052262
Filing Date	:12/10/2010
(87) International Publication No	:WO 2011/044569
(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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**DEUTSCHLAND GMBH & CO. KG**  
Address of Applicant :STOLBERGER STRASSE 21-41,  
52249 ESCHWEILER Germany

(72)**Name of Inventor :**  
**1)KLUMPEN, THOMAS**

(57) Abstract :

An elastomeric closure (10) having an internal barrier film (16) is provided. The elastomeric closure includes a top portion (12) and a bottom portion (14) formed together with a barrier film (16) disposed between the top and bottom portions. The barrier film may span the overall length and width of the elastomeric closure and preferably includes an aluminum foil as the barrier film material.

No. of Pages : 26 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.815/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :02/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : INTEGRATED BOILER AND AIR POLLUTION CONTROL SYSTEMS•

(51) International classification :F23J 15/08

(31) Priority Document No :12/567,070

(32) Priority Date :25/09/2009

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

(86) International Application No :PCT/US2010/043557

Filing Date :28/07/2010

(87) International Publication No :WO/2011/037680

(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)BABCOCK POWER ENVIRONMENTAL INC.**

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Massachusetts 01606 United States of America

(72)Name of Inventor :

**1)ABRAMS Richard F.**

**2)LEWIS Mark**

**3)PENTERSON Jeffrey**

(57) Abstract :

An air pollution control system includes an emission treatment system configured to receive flue gas to reduce at least one pollutant therefrom and to output emission treated flue gas. A first air heater in fluid communication with the emission treatment system includes a heat exchanger for heating forced air introduced thereto above a base temperature and thereby cooling emission treated flue gas from the emission treatment system to a stack discharge temperature. A second air heater in fluid communication with the first air heater to receive heated forced air therefrom includes a heat exchanger for heating forced air introduced thereto to a preheat temperature for combustion in a boiler and thereby cooling flue gas introduced from a boiler to the second air heater to an emission treatment temperature. The second air heater is in fluid communication with the emission treatment system to introduce cooled flue gas thereto

No. of Pages : 37 No. of Claims : 49



(12) PATENT APPLICATION PUBLICATION

(21) Application No.873/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM TO ENABLE MULTIPLE VIRTUAL NUMBERS ACROSS DIFFERENT MOBILE NETWORKS

(51) International classification :H04W 8/26

(31) Priority Document No :12/555,648

(32) Priority Date :08/09/2009

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

(86) International Application No :PCT/GB2010/051481

Filing Date :07/09/2010

(87) International Publication No :WO/2011/030138

(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 :Unit 5 Hampstead Gate 1A Frognal  
London NW3 6AL Great Britain. U.K.

(72)Name of Inventor :

**1)WALLER Nigel**

(57) Abstract :

Disclosed is a system and method for enabling a subscriber who has multiple virtual or physical SIM identities across several networks to make and receive calls and messages on a single handset at the same time. Key features of the disclosure is the setup and management of multiple virtual IMSIs and MSISDNs, from different networks, or from the same network but different countries or regions, which exist in one or more servers which are able to manage inbound and outbound calls and messages enabling a subscriber to manage multiple identities without the need to swap or replace SIM cards.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.875/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CAPSULE CAPTURE SNARE•

(51) International classification	:A61B 17/32
(31) Priority Document No	:61/253,636
(32) Priority Date	:21/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053482
Filing Date	:21/10/2010
(87) International Publication No	:WO/2011/050133
(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)WERBLIN RESEARCH & DEVELOPMENT CORP.**  
Address of Applicant :1051 Stafford Drive P.O. Box 5879  
Princeton WV 24740 United States of America  
(72)**Name of Inventor :**  
**1)WERBLIN Theodore P.**

(57) Abstract :

A surgical tool for manipulating a haptic of an intraocular lens. The surgical tool includes an elongated center rail having a traveler slideably disposed within the center rail the center rail being at least partially disposed in a first housing an actuator operatively connected to the traveler and fixedly connected to the center rail a conduit partially disposed within the first housing and slideably coupled to the traveler and an engaging member selectively extendable out of the conduit wherein actuation of the actuator manipulates the engaging member.

No. of Pages : 33 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.887/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : TEST MANAGING DEVICE AND METHOD FOR TESTING INTERACTIVITY ASPECTS FOR COMPLIANCE WITH THE BRAZILIAN DIGITAL TV STANDARD

(51) International classification :H04N 17/02  
(31) Priority Document No :PI 0904431-0  
(32) Priority Date :13/11/2009  
(33) Name of priority country :Brazil  
(86) International Application No :PCT/BR2010/000370  
Filing Date :16/11/2010  
(87) International Publication No :WO/2011/057371  
(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)TQTVD SOFTWARE LTDA**  
Address of Applicant :Rua da Assembleia 66 20° andar  
Centro Rio de Janeiro RJ CEP: 20011-000 Brazil  
(72)**Name of Inventor :**  
**1)Weber George CANOVA**  
**2)David Esteban de BRITO**

(57) Abstract :

The present invention relates to the field of electronic engineering and data processing. In particular, the present invention relates to a device for managing tests related to the Brazilian digital TV standard (DTV), in order to test whether the interactivity aspects of an apparatus comply with the Brazilian digital TV standard (ISDB-Tb standard).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.723/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED FUSE PULLING DEVICE

(51) International classification	:H01H 85/04; H01H 73/44	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)AGARWAL Naveen;</b>
(33) Name of priority country	:NA	<b>2)SINHA Neeraj;</b>
(86) International Application No	:NA	<b>3)BHANU Ashwin;</b>
Filing Date	:NA	<b>4)KUMAR Harshal;</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 an improved fuse pulling device adapted for pulling the fuses. The device comprises a pair of modules (4, 6). The pair of modules comprising a first means(4) and second means (6) substantially adjacent to each other, a shaft means (8) operatively associated with said first means (4) and assembled inside said slot means , a pair of grooves (2,10) substantially transversal to each other ,an energy storing means(5) operatively positioned in-between said first module (4) and second module (6) , an adjustable handle means (1) substantially secured between said first means (4) and second means (6) , a knob means (9) assembled within said thread means adapted to adjust length of said handle means; a pair of curved means (3,7)substantially having hook like modular structure .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.724/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHODS FOR GENERATING MULTI-LEVEL PSEUDO-RANDOM SEQUENCES•

(51) International classification	:G11C 16/24; G11C 7/18	(71) <b>Name of Applicant :</b> <b>1)Indian Institute of Technology Bombay</b> Address of Applicant :Powai Mumbai 400076 MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Mohit Singh</b>
(33) Name of priority country	:NA	<b>2)Shalabh Gupta</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 for generating multi-level (or multi-bit) pseudo-random sequences is disclosed. This invention relates to communication systems, and more particularly to generating multi-level pseudo random bit sequence. Present day systems do not employ effective mechanisms for generation of multi level PRBS in order to increase the data communication rates. Further, these systems do not cover all the possible transitions for the outputs of the system. The proposed system employs mechanisms in order to generate PRBS signals for producing multi levels signals to the DAC. The mechanism employs alternate bit tapping techniques. In the alternate bit tapping technique, bits are tapped alternatively to determine the current state and the next state of the system. In addition, the mechanism also covers all the possible states of the output vector with transitions between the output states. This ensures that high data rates are obtained for a given bandwidth of operation.

No. of Pages : 40 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.725/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :14/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHODS FOR CHARACTERIZING HIGH SPEED DAC USING MULTI-LEVEL SIGNALS

(51) International classification	:H04B 10/50; H04B 1/7115	(71) <b>Name of Applicant :</b> <b>1)Indian Institute of Technology Bombay</b> Address of Applicant :Powai Mumbai 400076 MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Shalabh Gupta</b>
(33) Name of priority country	:NA	<b>2)Mohit Singh</b>
(86) International Application No	:NA	<b>3)Mahendra Sakare</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 for characterizing high speed DAC using multi-level signals are disclosed. This invention relates to communication systems, and more particularly to testing of high speed DACs. Present day technology uses ramp or sinusoidal signal for testing DACs, which is insufficient in different scenarios. For example, if the DAC is being used for generating broadband signals for high speed communication links, the dynamic effects are important and are not characterized properly by the ramp or sinusoidal testing techniques..The proposed method uses eye-diagram measurement of visualizing dynamic behaviour. The error band along with traditional static DAC characteristics like DNL and INL for testing a DAC. Eye-diagram outputs are generated from a DAC for a random input data, which could be used to analyze DAC performance.

No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.238/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : POSITION INDICATOR FOR MCC MODULE

(51) International classification	:B60Q1/42
(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)LARSEN & TOUBRO LIMITED**

Address of Applicant :L&T HOUSE, BALLARD ESTATE,  
MUMBAI-400 001, MAHARASHTRA STATE, INDIA

(72)**Name of Inventor :**

**1)ROHIDAS H. LASTE**

**2)RAVINDRA M. KADAM**

(57) Abstract :

A mechanism for indicating positions of a MCC Module is provided. The mechanism for indicating positions comprises an indexing cam adapted on a mechanism shaft of the MCC Module; and an indexing lever, the indexing lever co-operable with the indexing cam to indicate a position of the MCC Module.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.726/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :15/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : ENERGY SAVING BY REFLECTING SUNLIGHT

(51) International classification	:F24J2/10; F24J2/52; F24J2/38	(71) <b>Name of Applicant :</b> <b>1)M.P.KUTE</b> Address of Applicant :BLDG. A-6, FLAT NO 501 KUMAR PRIMAVERA, SAINATHNAGAR, WADGAON SHERI NAGAR ROAD, PUNE-14 Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)M.P.KUTE</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 :

Invention provides a method or process for use of sunlight for energy saving by means of reflector objects. Further invention describes use of reflector object for reflecting sunlight and using it for illuminating darker surface area or darker region of the earth. Reflected sunlight travels or is carried from one place to other by means of movable reflector and therefore providing sunlight from lighted surface area or lighted region to darker surface area or darker region. Reflectors are mounted such that free movement in desired direction is possible.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.727/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :15/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : DEVICE FOR WATER HARVESTING AND THE PROCESS FOR THE SAME.

(51) International classification	:E03B3/03; E04D13/04	(71) <b>Name of Applicant :</b> <b>1)M.P.KUTE</b>
(31) Priority Document No	:NA	Address of Applicant :BLDG. A-6, FLAT NO 501 KUMAR
(32) Priority Date	:NA	PRIMAVERA, SAINATHNAGAR,WADGAON SHERI,
(33) Name of priority country	:NA	NAGAR ROAD, PUNE-14 Maharashtra India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)M.P.KUTE</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 invention relates to apparatus for water harvesting and the process for the same. Collectors are installed at various places which collect rainfall and via pipes said rain water is distributed to various locations as per the need of water. At those locations storage tanks are built to store water. Also, obstruction is provided to flowing water which is also diverted to different locations where there is scarcity of water.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.620/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :09/03/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : IMPROVED PROCESS FOR THE PREPARATION OF VALSARTAN

(51) International classification	:C07D257/00; C07D257/04	(71) <b>Name of Applicant :</b> <b>1)UNICHEM LABORATORIES LIMITED</b> Address of Applicant :UNICHEM BHAVAN, PRABHAT ESTATE, OFF. S. V. ROAD, JOGESHWARI (W), MUMBAI - 400 102, 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)DR. AJIT MADHUKAR BHOBE</b>
(87) International Publication No	: NA	<b>2)DR. JAGANNATH BHAGAWANRAO LAMTURE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)DR. TRYAMBAK MURLIDHAR SONAR</b>
Filing Date	:NA	<b>4)MR. YASHWANT SHAMBHAJIRAO SURVE</b>
(62) Divisional to Application Number	:NA	<b>5)MR. NAVNATH BHAUSAHEB SHINDE</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel, cost effective process for the preparation of intermediates of valsartan and its further conversion into valsartan, having chiral purity above 99.8%.

No. of Pages : 28 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.790/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :23/03/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : A ROTOR SHAFT HAVING HELICAL GROOVE

(51) International classification	:F01C 21/08; F01C 1/16; F01C 21/00	(71) <b>Name of Applicant :</b> <b>1)CROMPTON GREAVES LIMITED</b> Address of Applicant :CG HOUSE, DR ANNIE BESANT ROAD, WORLI, MUMBAI - 400 030, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b> <b>1)PARMANE SACHIN BHIMARAO</b>
(32) Priority Date	:NA	<b>2)JAIN PRATEEK KUMAR</b>
(33) Name of priority country	:NA	<b>3)JOSHI KISHOR UDDHAV</b>
(86) International Application No	:NA	<b>4)DHAVILESWARAPU SRINIVAS</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 rotor shaft is described which enhances heat dissipation of the motor it is used in. In one embodiment channelized depressions are provided on the longitudinal surface of the rotor shaft forming a helix from one face of the rotor shaft to the other face for smooth flow of air along said channelized depression for heat dissipation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.841/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DIAGNOSTIC METHOD AND APPARATUS FOR PREDICTING POTENTIAL PRESERVED VISUAL ACUITY

(51) International classification :A61B 3/12  
(31) Priority Document No :12/572,489  
(32) Priority Date :02/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/064718  
Filing Date :04/10/2010  
(87) International Publication No :WO/2011/039374  
(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)OPTOS PLC**

Address of Applicant :Queensferry House Carnegie Campus  
Enterprise Way Dunfermline KY11 8GR United Kingdom

(72)Name of Inventor :

**1)MARSHALL John**

**2)PELOSINI Lucia**

(57) Abstract :

A diagnostic method is disclosed wherein the potential preserved visual acuity in the retina of a patient is determined from the amount of tissue connecting the inner and outer plexiform layers remaining in the retina.

No. of Pages : 28 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.842/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : THREE DIMENSIONAL INDUCTOR AND TRANSFORMER•

(51) International classification :H01L 21/02  
(31) Priority Document No :12/576,033  
(32) Priority Date :08/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/051868  
Filing Date :07/10/2010  
(87) International Publication No :WO/2011/044392  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration  
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United States of America

(72)Name of Inventor :

**1)KIM Jonghae**

**2)GU Shiqun**

**3)HENDERSON Brian Matthew**

**4)TOMS Thomas R.**

**5)CHUA-EOAN Lew G.**

**6)BAZARJANI Seyfollah S.**

**7)NOWAK Matthew**

(57) Abstract :

A three dimensional on-chip inductor, transformer and radio frequency amplifier are disclosed. The radio frequency amplifier includes a pair of transformers and a transistor. The transformers include at least two inductively coupled inductors. The inductors include a plurality of segments (704) of a first metal layer, a plurality of segments (706) of a second metal layer, a first inductor input (708) a second inductor input (710) and a plurality of through silicon vias (702) coupling the plurality of segments of the first metal layer and the plurality of segments of the second metal layer to form a continuous, non-intersecting path between the first inductor input and the second inductor input. The inductors can have a symmetric or asymmetric geometry. The first metal layer can be a metal layer in the back-end-of-line section of the chip. The second metal layer can be located in the redistributed design layer of the chip

No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.958/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :30/03/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : A REGENERATION SYSTEM FOR PARTICULATE FILTER.

(51) International classification	:F02M31/04; F01N9/00,	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE,24 HOMI, MODY STREET,HUTATMA, CHOWK,MUMBAI 400 001, 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)DATTATRAYA R.KATKAR</b>
(87) International Publication No	: NA	<b>2)DEEPAK S.KULKARNI</b>
(61) Patent of Addition to Application Number	:NA	<b>3)NILESH A LENDE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device to provide external regeneration for diesel partial filter comprises of an auxiliary gas engine which is operated independent of main engine. The engine is fitted with electronic throttle body and Fresh air is added into the exhaust gas. The mixture is then passed into the diesel partial filter. The temperature of the gas at the outlet of diesel partial filter is monitored and used as an input for the engine management system of the auxiliary gas engine. Based on this temperature input, the throttle position of the auxiliary gas engine is controlled. The power output of the auxiliary engine is used to charge the battery.

No. of Pages : 15 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.849/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SOLID MATRIX TUBE-TO-TUBE HEAT EXCHANGER•

(51) International classification :F28F 7/02  
(31) Priority Document No :12/625,237  
(32) Priority Date :24/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/046668  
Filing Date :25/08/2010  
(87) International Publication No :WO/2011/066011  
(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)KAPPES CASSIDAY & ASSOCIATES**  
Address of Applicant :7950 Security Circle Reno Nevada  
89506 United States of America  
(72)**Name of Inventor :**  
**1)KAPPES Daniel W.**  
**2)ALBIN Dustin J.**

(57) Abstract :

A heat exchanger includes a heat-exchange section including a first group of tubes and a second group of tubes alternating with the first group of tubes. The first and second groups of tubes are in contact with a heat-conductive medium. In one structure, a first inlet manifold at a first end of the heat-exchange section is fluidly coupled to first ends of the first group of tubes. A first outlet manifold is isolated from the first inlet manifold and is fluidly coupled to first ends of the second group of tubes. A second inlet manifold at a second end of the heat-exchange section is fluidly coupled to second ends of the second group of tubes. A second outlet manifold is isolated from the second inlet manifold and is fluidly coupled to second ends of the first group of tubes.

No. of Pages : 17 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.689/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : LOOM AND METHOD FOR WEAVING OR NOOBING THREE DIMENSIONAL FABRICS

(51) International classification	:D03D 47/00; D03D 11/00	(71) <b>Name of Applicant :</b> <b>1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY</b> Address of Applicant :POWAI, MUMBAI 400076, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)GUHA ANIRBAN</b>
(33) Name of priority country	:NA	<b>2)AMARNATH CHITTA</b>
(86) International Application No	:NA	<b>3)DAVE HIMANSHU PRAMODBHAI</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 loom comprises a vertical shedding means (2) for multiple warp yarn layers extending one below another longitudinally along the Z-axis. Each of the warp yarn layers comprises a plurality of warp yarns extending longitudinally parallel to one another along the Z-axis towards the front of the loom from the back of the loom. A horizontal shedding means (3) is provided for the multiple warp yarn layers. A mobile horizontal weft yarn insertion means (4) is disposed for reciprocation across the warp yarn layers and the loom along the X-axis during interlacing or noobing of horizontal weft yarns across the warp yarn layers. A mobile horizontal weft yarn beat up means (5) is disposed for movement towards and backwards of the loom along the Z-axis. A vertical weft yarn insertion means (6) is disposed for reciprocation through the warp yarns along the Y-axis during interlacing of vertical weft yarns through the warp yarn layers. A mobile vertical weft yarn beat up means (7) is disposed for movement towards and backwards of the loom along the Z-axis

No. of Pages : 44 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.843/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : ROUTING GRAPHS FOR BUILDINGS•

(51) International classification :G01C 21/20

(31) Priority Document No :61/247,869

(32) Priority Date :01/10/2009

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

(86) International Application No :PCT/US2010/051226

Filing Date :01/10/2010

(87) International Publication No :WO/2011/041755

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)QUALCOMM INCORPORATED**

Address of Applicant :Attn: International IP Administration

5775 Morehouse Drive San Diego California 92121-1714

United States of America

(72)Name of Inventor :

**1)KHORASHADI Behrooz**

**2)DAS Saumitra Mohan**

**3)GUPTA Rajarshi**

(57) Abstract :

The subject matter disclosed herein relates to systems, methods, etc. for creating a routing graph based at least partly on building information. For certain example implementations, a method includes obtaining building information descriptive of at least a portion of a building structure. A grid of points may be superimposed onto the building information. At least one routing graph may be created based at least in part on the superimposed grid of points and the building information. Other example implementations are also described.

No. of Pages : 66 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.844/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : DRILLING MACHINE POWER PACK WHICH INCLUDES A CLUTCH

(51) International classification :E21B 21/16  
(31) Priority Document No :12/576,103  
(32) Priority Date :08/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2009/068668  
Filing Date :18/12/2009  
(87) International Publication No :WO/2011/043785  
(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)Atlas Copco Drilling Solutions LLC**  
Address of Applicant :2100 North First Street Garland  
Texas 75040 United States of America  
(72)**Name of Inventor :**  
**1)Ledbetter Timothy W.**  
**2)Peebles Iain A.**

(57) Abstract :

A drilling machine includes a compressor coupled to a prime mover through a hydraulic clutch, wherein the hydraulic clutch is repeatably moveable between engaged and disengaged conditions. The compressor is allowed to provide air and is restricted from providing air in response to the hydraulic clutch being in the engaged and disengaged conditions, respectively. The hydraulic clutch is moveable between the engaged and disengaged conditions during operation of the prime mover.

No. of Pages : 89 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.234/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CONTACT LOCKING MECHANISM WITH AN INBUILT FEATURE TO FLIP-FLOP

(51) International classification	:F16D 48/12	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b>
(31) Priority Document No	:NA	Address of Applicant :L & T House Ballard Estate Mumbai
(32) Priority Date	:NA	400 001 MAHARASHTRA STATE, INDIA
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)DONGRE Nilesh</b>
Filing Date	:NA	<b>2)OCHANI Deepak</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 :

This invention relates generally to circuit breakers and more particularly to a contact locking mechanism with an inbuilt feature to flip-flop for circuit breakers. It comprises a rotating member; duality of contacts fitted vertically to form an upper and a lower contact; a drive shaft to which said upper contact is pivoted at a pin, said drive shaft configured to bring said upper contact in contact with said lower contact; a compression spring placed over a link lever between duality of spacers to exert pressure on said upper contact, top end of said link lever pivoted on upper contact with a rivet and bottom end of said link lever passed through a slot provided on said drive shaft; said moving contact and said link lever connected at hinge and spring.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.730/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :15/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : A METHOD FOR ANALYTICAL DETECTION AND QUANTIFICATION OF POLYCYCLIC AROMATIC HYDROCARBONS AND A PROCESS FOR SYNTHESIZING 1,3-DI-NAPHTHALIMIDE CONJUGATE OF CALIX[4] ARENE

(51) International classification	:C07H 21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN INSTITUTE OF TECHNOLOGY</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF CHEMISTRY,
(33) Name of priority country	:NA	POWAI, MUMBAI-400 076. 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)MR.BANDELA ANIL KUMAR</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 method of analytical detection of polycyclic aromatic hydrocarbon and their derivatives in samples. 1,3-Di-naphthalimide conjugate of calix[4]arene is titrated by fluorescence with the said samples and the emission band of the spectra analysed to assess the polycyclic aromatic hydrocarbons contents therein. This invention also includes a novel process for synthesizing 1,3-Di-naphthalimide conjugate of calix [4] arene.

No. of Pages : 11 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.839/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :25/03/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : CLUTCH BLEEDING TOOL

(51) International classification	:B60T 11/30; B60T 11/10	(71) <b>Name of Applicant :</b> <b>1)TATA MOTORS LIMITED</b> Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)MR. CHETAN S CHAWADIMANI</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 related to a clutch slave cylinder bleeding tool to remove air bubbles from a clutch hydraulic system from vehicle. The special tool is developed which includes integrated hose inside the tool. The special tool has one end with square drive for use of ratchet hand tool & extension socket. When used on clutch slave cylinder during oil bleeding, it removes the air bubbles entrapped inside the clutch hydraulic system without oil spillage on ground.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.247/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : USER INITIATED CONTEXTUAL ADVERTISING AND SEARCH SYSTEM.

(51) International classification	:G06F17/30, G06Q30/00	(71) <b>Name of Applicant :</b> <b>1)HOOPZ PLANET INFO PVT. LTD</b> Address of Applicant :MYCAR BUILDING, MARUTI SUZUKI SHOWROOM, PUNE MUMBAI EXPRESSWAY, WAKAD PUNE-411057, 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)SUREKA AKASH DAMODAR</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 envisages a method for facilitating contextual advertising and listing of search results in terms of information/content/applications discovered on network enabled user device. The method includes the steps of identifying and extracting the keywords in response to the user action of clicking/touching/focusing/highlighting/navigating the text displayed on user display screen; using said keywords to pull at least one of advertisement/content/information/application/search results from an advertisement server ; receiving from the advertisement server, the attributes corresponding to said advertisements/contents/information/applications/search results and displaying said advertisements/ contents/ information/ applications/ search results according to said attributes on the main or separate screen of the user device. The disclosure also envisages a system for displaying advertisements on the user device. The system comprises a network adapted to establish a communication link between the advertisement server and an advertisement module adopted to perform the steps involved in the method envisaged by the present disclosure.

No. of Pages : 31 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.476/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :22/02/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESS FOR PREPARATION OF DL-HOMOCYSTEINE THIOLACTONE HYDROCHLORIDE

(51) International classification :C07D333/36;  
C07D333/00  
(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)WANBURY LIMITED**

Address of Applicant :B-WING, 10TH FLOOR, BSEL  
TECH PARK, SECTOR 30A, PLOT NO. 39/5 & 39/5A, OPP.  
VASHI RAILWAY STATION, NAVI- MUMBAI - 400 703,  
MAHARASHTRA, INDIA

(72)Name of Inventor :

**1)CHAND, PREM**

**2)KADLAG, ASHOK KARBHARI**

**3)TALEKAR, PRAVIN GANPAT**

**4)PATIL, KIRAN MOHAN**

**5)PAWAR, HITESH SURESH**

**6)SANGANABHATLA, SHANKAR**

(57) Abstract :

Disclosed herein is a process for preparation and purification of DL-Homocysteine thiolactone hydrochloride comprising demethylation of DL-methionine to obtain disodium salt of DL-homocysteine, followed by its cyclisation to obtain DL-Homocysteine thiolactone hydrochloride and removal of inorganic salt from the product mixture by employing phase transfer catalyst in aqueous alcoholic medium. The process of the present invention also comprises removal of excess water and hydrochloric acid after cyclisation to DL-Homocysteine thiolactone hydrochloride using aromatic hydrocarbon or its derivatives.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.697/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED CONTACT SYSTEM FOR USE IN CIRCUIT BREAKERS

(51) International classification	:H01H 83/00; H01H 71/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)GADGIL Rohit;</b>
(33) Name of priority country	:NA	<b>2)NAHATA Deepak P.;</b>
(86) International Application No	:NA	<b>3)ROY Jibanesh;</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 an improved contact system of moulded case circuit breaker. The system comprises a moving contact means(5), a fixed contact means (7), plurality of arc runner means (4,6) comprising a moving contact runner means (4) and a fixed contact runner means (6). The arc runners (4,6) being operatively located on the moving contact means (5) and said fixed contact means (7) such that a predetermined angle being formed between said arc runners (4,6) so as to enhance blow out force on the arc.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.859/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : HERBICIDAL COMPOSITION IN GRANULAR FORM

(51) International classification :A01N 43/00  
(31) Priority Document No :61/250,997  
(32) Priority Date :13/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/052163  
Filing Date :11/10/2010  
(87) International Publication No :WO/2011/046867  
(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)FMC CORPORATION**  
Address of Applicant :1735 Market Street Philadelphia  
Pennsylvania 19103 United States of America  
(72)**Name of Inventor :**  
**1)LIU Hong**

(57) Abstract :

The present invention provides light weight, water dispersible, granular compositions containing a first herbicide and a second herbicide in which the first herbicide and the second herbicide have different physical characteristics. In particular, the present invention relates to granular herbicidal compositions comprising a low melting point herbicide, carfentrazone-ethyl, and a high melting point herbicide, sulfosulfuron, having excellent dispersibility in water and chemical and physical stability.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.702/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :11/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED ARRANGEMENT HAVING REDUCED SKIN EFFECT LOSSES FOR USE IN CIRCUIT BREAKERS

(51) International classification	:H01B9/00; H02B 1/20	(71)Name of Applicant : <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)GODSE Ranjana J.;</b>
Filing Date	:NA	<b>2)GUPTA Amit;</b>
(87) International Publication No	: NA	<b>3)TOMAR Brajesh Singh;</b>
(61) Patent of Addition to Application Number	:NA	<b>4)SINHA Neeraj;</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an improved arrangement having reduced skin effect losses for use in circuit breakers. The arrangement comprises a housing (1), plurality of conductor path assemblies. The conductor path assembly comprises a main terminal means (3), a terminal means (2), plurality of flexible conductor means (7), plurality of conductor finger means (10). The main terminal means (3) being operatively assembled in said housing (1). The flexible conductor means (7) being operatively arranged between said main terminal means (3) and said conductor finger means (10) such that skin effect losses being reduced when current flows between said plurality terminal means.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.703/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :12/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED ARC CHUTE ASSEMBLY FOR USE IN SWITCHGEAR DEVICES

(51) International classification	:H01H11/00; H01H9/00	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, 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)PAUL Nirmal Joseph T.</b>
Filing Date	:NA	<b>2)CHOWDHURY Partha;</b>
(87) International Publication No	: NA	<b>3)RAWOOL Siddhi K.;</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 an improved arc chute assembly for use in switchgear devices. The assembly comprises deion plate arrangement comprising plurality of flat deion plate means (7) and stepped deion plates (8) placed inbetween the deion plates (7), plurality of cooling plate means (5, 6) operatively located on almost top of the deion plate means (7, 8).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.643/MUM/2010 A

(19) INDIA

(22) Date of filing of Application :11/03/2010

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN IMPROVED PROCESS FOR THE PREPARATION OF ILOPERIDONE

(51) International classification	:C07D413/04; C07D261/20	(71) <b>Name of Applicant :</b> <b>1)TORRENT PHARMACEUTICALS LTD.</b> Address of Applicant :TORRENT HOUSE, OFF ASHRAM ROAD, NEAR DINESH HALL, AHMEDABAD 380 009, 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)SRINIVAS GOUD</b>
(87) International Publication No	:N/A	<b>2)GOPINATHAN PILLAI BIJUKUMAR</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SUNIL SADANAND NADKARNI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an efficient process for the purification of pharmaceutically active piperidine-1-yl-benzisoxazole derivative i.e. 1-[4-[3-[4-(6-fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl] propoxy]-3-methoxyphenyl]ethanone i.e. Iloperidone of formula (I) comprising: a) providing a solution of Iloperidone in water; b) acidifying the solution of step a) with an organic or inorganic acid; c) optionally washing the solution of step (a) with water immiscible organic solvent; d) adding an organic solvent to the solution of step (c) or (b); e) adding an appropriate base to the solution as obtained in step (d); and f) isolating pure Iloperidone. The present invention also covers an improved process for the preparation of 1-[4-(3-chloropropoxy)-3-methoxyphenyl]ethanone (II).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.705/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :12/03/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : INTEGRAL MONO-BLOCK TYPE ARRANGEMENT FOR INSULATED DRIVE SHAFT

(51) International classification	:H01H 13/708; H01H9/32	(71) <b>Name of Applicant :</b> <b>1)LARSEN &amp; TOUBRO LIMITED</b> Address of Applicant :L & T House Ballard Estate Mumbai 400 001 MAHARASHTRA STATE, INDIA
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)VPB Chakravarthi Kajana;</b>
(33) Name of priority country	:NA	<b>2)BHUVANESWARI M.</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 :

An arrangement of the multi-electric pole low voltage circuit breaker and the likes. The arrangement (1) comprising plurality of drive shaft means (5); plurality of moving contact assembly (2, 3) where the moving contact assembly is substantially assembled inside said each drive shaft means; atleast one integral mono-block structural arrangement and a pair of enclosure where one of the enclosure means is placed on one of the extreme end of said arrangement and another enclosure means is placed on another extreme end of said arrangement such that both the enclosure are diametric to each other adapted to enclose said multi-electric pole circuit breaker.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.862/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : ANILINE COMPOUND

(51) International classification :C07D 213/74

(31) Priority Document No :2009-210790

(32) Priority Date :11/09/2009

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2010/065649

Filing Date :10/09/2010

(87) International Publication No :WO/2011/030864

(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)UBE INDUSTRIES LTD.**

Address of Applicant :1978-96 Oaza Kogushi Ube-shi  
Yamaguchi 755-8633 Japan.

(72)Name of Inventor :

**1)IWAMURA Ryo**

**2)MURAKAMI Yoko**

**3)HAGIHARA Masahiko**

**4)OKANARI Eiji**

(57) Abstract :

This is to provide a novel aniline compound represented by the following formula (I) having an excellent bronchodilatory action based on potent EP2 agonistic action. or a salt thereof. A compound represented by the formula (I):

No. of Pages : 53 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.861/MUMNP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SUBSTITUTED CARBONYL COMPOUND

(51) International classification	:C07D 401/14	(71)Name of Applicant :
(31) Priority Document No	:2009-210792	<b>1)UBE INDUSTRIES LTD.</b>
(32) Priority Date	:11/09/2009	Address of Applicant :1978-96 Oaza Kogushi Ube-shi
(33) Name of priority country	:Japan	Yamaguchi 755-8633 JAPAN
(86) International Application No	:PCT/JP2010/065654	(72)Name of Inventor :
Filing Date	:10/09/2010	<b>1)HAGIHARA Masahiko</b>
(87) International Publication No	:WO/2011/030868	<b>2)IWAMURA Ryo</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SHIBAKAWA Nobuhiko</b>
Filing Date	:NA	<b>4)YONEDA Kenji</b>
(62) Divisional to Application Number	:NA	<b>5)OKANARI Eiji</b>
Filing Date	:NA	<b>6)NAKANISHI Takayuki</b>

(57) Abstract :

Novel substituted carbonyl compounds represented by general formula (I) or salts thereof, which exhibit excellent bronchodilating effect that relies on potent EP2 agonist activity and which are useful in the treatment of respiratory diseases. In general formula (I), R1 is -OR5, -O(CH2CH2O)mR6 or -NR7R8 (wherein R5 is C7-22 alkyl or the like; R6 is H or benzyl; m is 1 to 4; and R7 and R8 are each H, C1-12 alkyl, or the like); R2 and R3 are each H or C1-6 alkyl; Y is a (substituted) bicyclic heteroaromatic ring, -Q1-Q2, or the like (wherein Q1 is arylene or the like; and Q2 is a (substituted) 5- or 6-membered heterocycle, or the like); and Z is (substituted) aryl or a (substituted) 5- or 6-membered heteroaromatic ring.

No. of Pages : 65 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.208/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : EFFECT OF DATURA, TOBACCO MIXTURE OVERSIDING THEIR INDIVIDUAL EFFECT ON PAPAYA MEALY BUG, PARACOCCLUS MARIGINATUS

(51) International classification	:A24B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)JITHU. U. KRISHNAN</b>
(32) Priority Date	:NA	Address of Applicant :KRISHNA KRIPA, MPRA C26,
(33) Name of priority country	:NA	MUDAKKAL (P.O), AVANAVANCHERY (VIA),
(86) International Application No	:NA	ATTINGAL, THIRUVANANTHAPURAM - 695 103 Kerala
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)JITHU. U. KRISHNAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Paracoccus mariginatus Williams and Granara de willink, the Papaya Mealy bug is a small polyphagus Hemipteran of the family Pseudococcidae. Mealy bug are sucking insect pests of plants with a wide host range. Host range also includes tropical fruits, vegetables and ornamental plants thus Mealy bugs are effective parasites of a tropical nation's economy like that of India. Infestation of the Mealy bug appears as cluster of cotton like masses on the shoot of the plant. Effective stage of parasitic action of P.marignatus is the adulthood which sucks the sap of the plant and weakens it. It has caused havoc in agricultural and horticultural crops and huge lose to farmers. The extreme infestation not only contaminates the yield but also destroys the whole plant. The honey dew excreted by the bug attracts ants to form mutual associations thus the dispersal is mediated by the most common animal of any tropical field (the ants), restriction measurements if we take in that way is generally a vain. Very recently in 2007 it was first reported at Tamilnadu in India and very soon it attains the status of a major pest in the country. The pest avoids type specification among plants concerned to infection. The use of plant extracts to control insect pests has been in practice for centuries to a limited extent. Only recently the interest has renewed in the pest management potential of natural products. These products are the compounds that have evolved in plants for defence against phytophagus insects. In this experiment the leaf extracts of some plants were studied and compared as both in an individual way and as mixtures. Direct application of the extracts after employing nonlethal concentration of surfactant was worked out and lethality was monitored. It was found that Datura (Datura stramonium), Tobacco (Nicotiana tabacum) mixture was found to be more effective against the pest concerned than the individual effects of both the extracts. Datura alone was also found to be effective in checking the population boom of the pest by physiological interference.

No. of Pages : 22 No. of Claims : 6



(12) PATENT APPLICATION PUBLICATION

(21) Application No.265/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CYBERTRANSMAYA

(51) International classification

:G11C

(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)DR. AJITH KUMAR V.S.**

Address of Applicant :KUNNIL HOUSE, T.C. 11/1266,  
Y.M.R. JUNCTION, NANTHENCODE P.O, TRIVANDRUM -  
695 003 Kerala India

(72)Name of Inventor :

**1)DR. ARUN KUMAR V.S.**

(57) Abstract :

We Are Assigning Hilbert Bubble Brain Space{HBBS} For CYBERTRANSMAYA {Patent Filed}. 2.TheClaiml Consists of 1st Alpha Hibert Bubble 2ndHBBS Brain Space Beta(HBBS) HBBS Gamma) Lambda(HBBS

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3209/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : REVERSE OPENING SLIDE FASTENER

(51) International classification :A44B19/38  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/JP2009/065943  
Filing Date :11/09/2009  
(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)YKK CORPORATION**  
Address of Applicant :1 Kandaizumi-cho Chiyoda-ku  
Tokyo 101-8642 Japan  
(72)**Name of Inventor :**  
**1)KEYAKI Keiichi**  
**2)OZAWA Takanori**

(57) Abstract :

In the reverse opening slide fastener (10) of the invention, an insert pin (30) includes a side edge (30C) arranged at a box pin (40) side and a side edge (30F) arranged at a tape inner side, A first sloped section (30E) sloped in a direction to be apart from the box pin (40) side toward the insert pin top end is formed at the side edge (30C) arranged at a box pin (40) side. The first sloped section (30E) is formed as being intersected with an extension line (EL) obtained by extending a planar section of the side edge (30F) arranged at a tape inner side to the insert pin top end side and has a shape sloped at an angle to be contacted to a guide column (60D) of the lower slider (60) or to be apart from the guide column (60D) when the insert pin (30) is inserted to upper and lower sliders (50, 60). Accordingly, in the reverse opening slide fastener performing separating and coupling between right and left fastener stringers (16, 17), insertion operation of the insert pin (30) can be smoothly performed when the right and left fastener stringers (16, 17) which are once separated are to be re-coupled.

No. of Pages : 68 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.147/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR GENERATING A ONE TIME PASSWORD

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INFOSYS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO 44,
(33) Name of priority country	:NA	ELECTRONICS CITY, HOSUR ROAD, BANGALORE, 560
(86) International Application No	:NA	100, INDIA.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)VIJAYARAGHAVAN VARADHARAJAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SIVAKUMAR KUPPUSAMY</b>
Filing Date	:NA	<b>3)KANIKA PASRICHA</b>
(62) Divisional to Application Number	:NA	<b>4)RAJARATHNAM NALLUSAMY</b>
Filing Date	:NA	

(57) Abstract :

The present invention provides a computer implemented method and system for generating OneTime Password (OTP) such that no hardware token is used. The invention uses some functions and parameters generated and transmitted to the client machine, by the server. The server generates a token for each session, cyclic groups  $G_1$  and  $G_2$  of elements and sends this to client machine. The client generates a first OTP using a predefined function on the token and the hash value of user password, such that retrieving the hash value of the password from the first OTP is a discrete log problem. A second OTP is generated using a bilinear mapping on the first OTP, and an element of  $G_1$ , such that generating first OTP from second OTP is a bilinear inverse problem.

No. of Pages : 24 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.155/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SCREEN MEDIA ELEMENT HAVING CERAMIC SECTIONS WITH APERTURES

(51) International classification	:C04B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)METSO MINERALS (SWEDEN) AB</b>
(32) Priority Date	:NA	Address of Applicant :BOX 132, 231 22, TRELLEBORG
(33) Name of priority country	:NA	Sweden
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)AHLBERG, PETER</b>
(87) International Publication No	: NA	<b>2)BYGRAVE, MIKE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LAGERSKIOLD, JENS</b>
Filing Date	:NA	<b>4)LARSSON, CLAES</b>
(62) Divisional to Application Number	:NA	<b>5)NIEKERK, GERALD VAN</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a screen media element (1) having at least one apertured section (2). The apertured section (2) has a first surface(3)intended to receive and carry material to be screened, a second surface (4)opposite the first surface (3), apertures (5) extending from the first surface (3) to the second surface (4), and a circumferential surface (6) connecting the first (3) and second (4) surfaces. The apertured section (2) is surrounded by an outer frame (7) along the circumferential surface (6), characterised in that the apertured section (2) is made from ceramic material and that the outer frame (7) is made of elastomeric material. The invention further relates to a method for manufacturing such a screen media element, and a screen comprising such screen media elements.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.214/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A FUEL PUMP WITH AN INTEGRATED PRESSURE SENSOR

(51) International classification

:H03K

(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)BOSCH LIMITED**

Address of Applicant :POST BOX NO 3000, HOSUR  
ROAD, ADUGODI, BANGALORE - 560 030 Karnataka India

**2)ROBERT BOSCH GMBH**

(72)Name of Inventor :

**1)VAMSI MOHAN CH**

**2)SAMTHOSH KUMARA GR**

(57) Abstract :

A Fuel Pump with an integrated pressure sensor is disclosed. The fuel pump comprises a pump body comprising a first pump driving end and a second fuel delivery end. The fuel pump has at least one fuel inlet located in proximity of the first pump driving end. The fuel pump is characterized by a delivery valve holder mounted at the fuel delivery end and a pressure sensor integrated in the delivery valve holder.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.258/CHE/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : A METHOD AND SYSTEM OF REDIRECTING STREAMING CONTENT OVER A COMMUNICATION NETWORK

(51) International classification	:H04L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Tejas Networks Limited</b>
(32) Priority Date	:NA	Address of Applicant :2nd floor GNR Tech Park 46/4
(33) Name of priority country	:NA	Garbebhavi Palya Kudlu Gate Hosur main road Bangalore 560
(86) International Application No	:NA	068 Karnataka Tamil Nadu India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)VINOD KUMAR MADALIAH</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 method and system of redirecting streaming content from one user equipment to the other available precise user equipment over a communication network. In one embodiment this is accomplished by registering a plurality of user equipments and a server with at least one lookup server, checking periodically integrity of the connection between the first user equipment and the lookup server, triggering, upon failure of connection, to identify the transfer of some or all incoming contents at the first UE to at least one second UE from the group of UEs registered with the lookup server and redirecting the transfer of the content of the lookup server from the first UE to the identified second available UE, wherein the redirection is based on the unique ID of the content.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR PRODUCING FRESH MILK HAVING A LONGER SHELF LIFE

(51) International classification :A23C7/04  
(31) Priority Document No :10 2009 044 030.5  
(32) Priority Date :16/09/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/063511  
Filing Date :15/09/2010  
(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 :

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(72)Name of Inventor :

**1)BAUMEISTER Egon**

**2)MEYER Michael**

**3)WINKENHOFF Heinrich**

(57) Abstract :

The invention relates to a method for producing fresh milk having a longer shelf life having a shelf life of at least 20 days wherein a at least two-stage centrifugal germ removal is performed in particular for removing spore-forming bacteria relevant to spoilage. The method also allows a subsequent integration of the germ removal stages into a conventional system for milk pasteurization.

No. of Pages : 27 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3226/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : PARTICLE IMAGE VELOCIMETRY SUITABLE FOR X-RAY PROJECTION IMAGING

(51) International classification	:G01P5/22, A61B5/026
(31) Priority Document No	:2009904481
(32) Priority Date	:16/09/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/001199
Filing Date	:16/09/2010
(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

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(72)**Name of Inventor :**

**1)FOURAS Andreas**

**2)STEPHEN Dubsky**

(57) Abstract :

A 2D or 3D velocity field is reconstructed from a cross-correlation analysis of image pairs of a sample without first reconstructing images of the sample spatial structure. The method can be implemented via computer topographic X-ray particle image velocimetry using multiple projection angles with phase contrast images forming dynamic speckle patterns. Estimated cross-correlations may be generated via convolution of a measured autocorrelation function with a velocity probability density function and the velocity coefficients iteratively optimised to minimise the error between the estimated cross-correlations and the measured cross-correlations. The method may be applied to measure blood flow and the motion of tissue and organs such as heart and lungs.

No. of Pages : 53 No. of Claims : 22



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3227/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : PHOTO-LATENT TITANIUM-CHELATE CATALYSTS

(51) International classification	:B01J31/02, B01J31/22
(31) Priority Document No	:09170294.4
(32) Priority Date	:15/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/062779
Filing Date	:01/09/2010
(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)BASF SE**

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(72)Name of Inventor :

**1)HINTERMANN Tobias**

**2)BAUER Didier**

**3)CARROY Antoine**

**4)LORDELOT Caroline**

**5)KOHLI STECK Rachel**

(57) Abstract :

The present invention provides photolatent Ti-chelate catalyst compounds of formula I R1 is for example CrCl4aryl which is substituted by one or more R<sup>TM</sup>2 R<sup>TM</sup>3 or R<sup>TM</sup>4 or the two R1 together are unsubstituted linear or branched Ci-C12alkylene; R2 R3 R4 R<sup>TM</sup>2 R13 and R<sup>TM</sup>4 independently of each other are for example hydrogen halogen or linear or branched C1-C20alkyl; R5 and R7 independently of each other are hydrogen linear or branched C1- C20alkyl CrCl4aryl Br or Cl provided that not more than one of R5 R6 and R7 is hydrogen; as well as formulations comprising said compounds and defined I 3-diketones.

No. of Pages : 56 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3228/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : STANDARD MOBILE COMMUNICATION DEVICE DISTRACTION PREVENTION AND SAFETY PROTOCOLS

(51) International classification	:G08B21/02
(31) Priority Document No	:12/585,503
(32) Priority Date	:16/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/002319
Filing Date	:16/09/2010
(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 :

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30064 United States of America

**2)Hap NGUYEN**

(72)Name of Inventor :

**1)John J. Fischer**

**2)Hap NGUYEN**

(57) Abstract :

Methods and systems for providing standardized mobile device distraction prevention and safety protocols are disclosed. In particular an embodiment of a method for activating a distraction prevention or safety protocol behavior in a mobile device when the mobile device satisfies a specific condition is disclosed. The method includes discovering one or more protocol activators configured to transmit discovery information associated with a specific condition. The method further includes activating distraction prevention safety protocol behavior in the mobile device based at least in part on the discovery information. In an implementation the specific condition may be a specified environment itself and or include an event when the mobile device enters a specified environment or a specified sequence of numbers is dialed from the mobile device.

No. of Pages : 49 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3229/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING ESTABLISHMENT CAUSES FOR EMERGENCY SESSIONS

(51) International classification :H04W76/02

(31) Priority Document No :61/248,213

(32) Priority Date :02/10/2009

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

(86) International Application No :PCT/IB2010/002607

Filing Date :01/10/2010

(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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Address of Applicant :295 Phillip Street Waterloo Ontario  
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(72)Name of Inventor :

**1)CHIN Chen-Ho**

**2)BURBIDGE Richard C.**

(57) Abstract :

Initiating a Packet Switched or IMS emergency call using a user equipment (UE). The UE includes a plurality of protocol layers. The plurality of protocol layers including an IMS sublayer a non-access stratum (NAS) layer and an access stratum (AS) layer. The method includes generating an ATTACH REQUEST or PDN Connectivity request including an APN identifying an emergency APN using the UE. The ATTACH REQUEST has an attach type i.e. EPS emergency attach. The method includes retrieving the attach type of the ATTACH REQUEST using the NAS layer of the UE and generating an RRC CONNECTION REQUEST. The RRC CONNECTION REQUEST includes an RRC establishment cause based upon the attach type of the attach request e.g. EPS emergency call PS emergency IMS emergency call etc.

No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.250/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : GALACTOMANNAN WITH ORLISTAT

(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 :

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(72)Name of Inventor :

**1)DR. RAMANAN EZHIL ARASAN**

**2)MR. SAJIV KUMAR MENON**

(57) Abstract :

The present invention relates to a synergistic pharmaceutical composition for the treatment of obesity. The composition comprises of synergistically effective combination of galactomannan and orlistat. The weight ratio of galactomannan to orlistat is between about 0.01g-100g galactomannan and about 10mg-500mg of orlistat, more preferably between about 1g-10g galactomannan and about 40mg-400mg of orlistat. The composition further includes pharmaceutically acceptable additives.

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.277/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : PURIFICATION EQUIPMENT FOR CLEAN AIR IN WORKPLACE

(51) International classification

:B01D

(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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CHAMBERS ROAD, R.A. PURAM, CHENNAI 600 028 Tamil  
Nadu India

(72)Name of Inventor :

**1)DR. R. ELANGO VAN**

(57) Abstract :

A new portable air purification system is developed for purifying the air and in particular indoor air to achieve better living environment. The system performs a step by step process for purification. Each step involves a purification chamber separately for removing entrained solid particles, gas pollutants containing contagious and infectious, airborne micro organisms and left over pollutants like heavy metal and VOC gases using HEPA filters, photocatalytic oxidation filter and activated carbon filter respectively. Thus system takes care of multiple varieties of pollutants in the air in more effective manner.

No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3060/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : FLAME-RETARDANT RESIN COMPOSITION AND INSULATED ELECTRIC WIRE FLAT CABLE AND MOLDED ARTICLE WHICH ARE MADE USING SAME

(51) International classification	:C08L101/00, C08K3/32
(31) Priority Document No	:2009-232278
(32) Priority Date	:06/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/067234
Filing Date	:01/10/2010
(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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Osaka-shi Osaka 541-0041 Japan  
(72)**Name of Inventor :**  
**1)MORIUCHI Kiyooki**  
**2)HAYAMI Hiroshi**

(57) Abstract :

Provided is a flame-retardant resin composition that can achieve both mechanical properties and flame retardancy and satisfy stringent heat resistance requirement such as heat resistance with a conductor attached and an insulated wire a flat cable and a molded article made using the flame-retardant resin composition. The flame-retardant resin composition contains a thermoplastic resin a polyfunctional monomer and an organic phosphorus-based flame retardant. The thermoplastic resin contains 5% by mass or more of a resin having a carbon-carbon unsaturated bond or a resin having a carbonyl group relative to the entire thermoplastic resin.

No. of Pages : 34 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3061/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MOLTEN SALT BATTERY

(51) International classification :H01M10/39,  
H01M2/02  
(31) Priority Document No :2010-029058  
(32) Priority Date :12/02/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/052681  
Filing Date :09/02/2011  
(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 :**  
**1)SUMITOMO ELECTRIC INDUSTRIES LTD.**  
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(72)**Name of Inventor :**  
**1)SAKAI Shoichiro**  
**2)MAJIMA Masatoshi**  
**3)NITTA Koji**  
**4)HIRAIWA Chihiro**  
**5)FUKUNAGA Atsushi**  
**6)INAZAWA Shinji**

(57) Abstract :

Provided is a molten salt battery which can be stably charged and discharged. A separator 3 composed of a rectangular plate-shaped glass cloth and containing a molten salt is interposed between a positive electrode 1 and a negative electrode 2 having a rectangular plate shape to form a power generating element X. A battery container 5 is configured to be substantially rectangular parallelepiped-shaped. A non-flexible presser plate 4b pressed by a spring 4a arranged at a negative electrode 2 side in the battery container 5 substantially evenly disperses pressing force from the spring 4a and presses the negative electrode 2 downward. As a result of the reaction, a bottom wall 52 of the battery container presses the positive electrode 1 upward so that no dead space is generated even when a plurality of batteries are combined.

No. of Pages : 36 No. of Claims : 14

(54) Title of the invention : TRANS PORT CONTAINER WITH CUSHIONING STRUCTURE•

(51) International classification :B65D5/12,  
B65D5/64  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/EP2009/008041  
Filing Date :11/11/2009  
(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)DEUTSCHE POST AG**Address of Applicant :Charles-de-Gaulle-Strasse 20 53113  
Bonn Germany

(72)Name of Inventor :

**1)MIYAZAKI Keinosuke****2)YAMADA Keishi**

(57) Abstract :

The invention relates to a cushioning structure (1) for safety transporting heavy, large and fragile goods comprising a main frame (11) with a contiguous bearing surface (2), a carrier foil (5) attached to the main frame (11) at least fully covering the bearing surfaces (2) and the area enclosed by the bearing surface (2) as a carrying surface for the goods (10), wherein the main frame (11) comprises multiple foldable inner and outer side flaps (3, 4, 41) able to be folded into multiple supporting elements of connected inner and outer side flaps (3, 4, 41) to support the bearing surface (2) of the main frame (11) with a height defined by the dimensions of the outer side flaps (4, 41) and having a suitable profile to increase the resilience of the main frame (11) suitable for carrying goods (10) with weights of more than 25 kg and being collapsible into a two-dimensional structure in case of absent goods. The invention further relates to a container (8) reducible in size comprising the cushioning structure (1), a method to load the goods (10) into the container (8) and a method to collapse the empty container (8).

No. of Pages : 23 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.222/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : WASHING APPARATUS

(51) International classification	:A01D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)THOMAS N J</b>
(32) Priority Date	:NA	Address of Applicant :NIRAPPEL HOUSE, P.O-
(33) Name of priority country	:NA	PULIYANMALA, DIST-IDUKKI, PIN - 685 532 Kerala India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)THOMAS N J</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 washing apparatus for post-harvest processing of agriculture crops such as cardamom pods comprising at least one drum assembly, at least one pipe fitted with at least one valve, at least one frame and a plurality of pulleys.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.275/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ONLINE TRADING INFORMATION REPRESENTATION SYSTEM

(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)KUNAL NANDWANI**

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ROAD, OFF GN CHETTY STREET, T. NAGAR, CHENNAI -  
600 017 Tamil Nadu India

(72)**Name of Inventor :**

**1)KUNAL NANDWANI**

(57) Abstract :

An online trading system consisting of a graphical information representation module has been described. The module comprising of a graphical display module configured to represent information received from plurality of sources on real time basis in the form of graphics. Further, the graphics can be a graphical icon, image, flow diagrams, charts and a graphical text and the graphics displayed is based on volume of activity happening at the various information sources.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3211/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM AND METHOD TO SUPPORT DIFFERENT INGEST AND DELIVERY SCHEMES FOR A CONTENT DELIVERY NETWORK

(51) International classification :H04L29/06

(31) Priority Document No :61/249,848

(32) Priority Date :08/10/2009

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

(86) International Application No :PCT/CN2010/076958

Filing Date :15/09/2010

(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

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(72)Name of Inventor :

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**2)ZHANG Peng**

**3)GAO Yunchao**

**4)WANG Yekui**

**5)CHEN Yue**

**6)YU Heather Hong**

(57) Abstract :

In accordance with an embodiment a method of operating a computer server includes receiving streaming media data. The streaming media data includes content fragments and a media description file and the media description file includes metadata describing the content fragments. The method also includes storing the content fragments in a cache.

No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3212/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MEASURING THE CONCENTRATION OF A GAS IN EXHALED AIR

(51) International classification	:A61B5/08, A61B5/097	(71)Name of Applicant :
(31) Priority Document No	:09173737.9	<b>1)KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>
(32) Priority Date	:22/10/2009	Address of Applicant :GROENEWOUDSEWEG 1
(33) Name of priority country	:EPO	EINDHOVEN 5621 BA NETHERLANDS
(86) International Application No	:PCT/IB2010/054701	(72)Name of Inventor :
Filing Date	:18/10/2010	<b>1)KAHLMAN Josephus Arnoldus Henricus Maria</b>
(87) International Publication No	: NA	<b>2)VINK Teunis Johannes</b>
(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 an apparatus for monitoring the respiration of a subject the apparatus comprising a sensor for measuring the concentration of a specified gas in air exhaled by the subject and a processor configured to provide an output indicating the concentration of the specified gas in a selected portion of the exhaled air the selected portion of the exhaled air corresponding to air from a specific part of the respiratory system of the subject.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3213/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM FOR CARRYING OUT REMOTE PHOTOPLETHYSMOGRAPHY

(51) International classification	:A61B5/024, A61B5/026	(71) <b>Name of Applicant :</b> <b>1)KONINKLIJKE PHILIPS ELECTRONICS N.V.</b> Address of Applicant :GROENEWOUDSEWEG 1 EINDHOVEN 5621 BA NETHERLANDS
(31) Priority Document No	:09172345.2	(72) <b>Name of Inventor :</b>
(32) Priority Date	:06/10/2009	<b>1)JEANNE Vincent</b>
(33) Name of priority country	:EPO	<b>2)CENNINI Giovanni</b>
(86) International Application No	:PCT/IB2010/054462	<b>3)KIRENKO Ihor Olehovych</b>
Filing Date	:04/10/2010	
(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 method of photoplethysmography includes processing a signal (46;56) based on at least one signal (35;50) from at least one sensor (5;18 20;26;63) arranged to capture light from a living subject to extract information on a characteristic of a periodic biological phenomenon. At least one of the signals (35;50) from at least one sensor (5;18 20;26;63) is obtained by using at least one of a light source (1;11 13) and a filter (6;17;64) placed before the at least one sensor (5;18 20;26;63) tuned to a peak in an absorption spectrum of water.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3313/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR ADAPTIVE MULTI-RATE ADJUSTMENT

(51) International classification :H04W28/00  
(31) Priority Document No :200910173778.1  
(32) Priority Date :16/09/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071939  
Filing Date :20/04/2010  
(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)ZTE CORPORATION**  
Address of Applicant :ZTE Plaza Keji Road South Hi-Tech  
Industrial Park Nanshan District Shenzhen Guangdong  
Province 518057 P.R. China.  
(72)**Name of Inventor :**  
**1)LUO Xiaodong**  
**2)ZOU Xiufang**

(57) Abstract :

A method and an apparatus for adaptive multi-rate adjustment are provided by the present invention wherein the method comprises: judging algorithm type used by a 3rd generation mobile communication user equipment; if the algorithm type of the 3rd generation mobile communication user equipment is universal mobile telecommunications system adaptive multi-rate algorithm II then mapping a rate of a codec mode request to a rate control message and sending the rate control message to core network or if the algorithm type is universal mobile telecommunications system adaptive multi-rate algorithm I then limiting a rate of a codec mode request to the lowest rate and mapping rate of the codec mode request to a rate control message for sending to core network. By way of the present invention the effects of improving the rate adjustment compatibility of AMR between 2G system and 3G system and improving voice quality are achieved.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3221/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : CORROSION-RESISTANT VIBRATORY FLOWMETER AND METHOD

(51) International classification :G01F1/84,  
G01F15/14  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/US2009/056813  
Filing Date :14/09/2009  
(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)CASEY Megan**

**2)PANKRATZ Anthony William**

(57) Abstract :

A corrosion-resistant vibratory flowmeter (5) is provided. The flowmeter (5) includes a flowmeter assembly (10) including one or more flow tubes (103) configured to be vibrated and a diffusion coating (202) over at least a portion of the flowmeter assembly (10). The diffusion coating (202) is diffused into and comprises a part of the flowmeter assembly (10).

No. of Pages : 23 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3222/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : COMMUNICATION SYSTEM NODE CONTROL SERVER COMMUNICATION METHOD AND PROGRAM

(51) International classification :H04L12/56

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP2009/066026

Filing Date :14/09/2009

(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)NEC Corporation**

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(72)Name of Inventor :

**1)CHIBA Yasunobu**

**2)SHIMONISHI Hideyuki**

**3)SHINOHARA Yusuke**

(57) Abstract :

A packet contains an array of processing operations that are to be performed by a node of a data forwarding network. Each node in a data forwarding network receiving performs the processing it has to the packet and perform in accordance with the array of the processing operations contained in the packet.

No. of Pages : 71 No. of Claims : 33



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3324/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ULTRASONIC FLOW SENSOR FOR DETECTING A FLOW OF A FLUID MEDIUM

(51) International classification	:G01F1/66	(71)Name of Applicant :
(31) Priority Document No	:102009045620.1	1)Robert Bosch GmbH
(32) Priority Date	:13/10/2009	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/062046	(72)Name of Inventor :
Filing Date	:18/08/2010	1)MUELLER Roland
(87) International Publication No	: NA	2)HUEFTLE Gerhard
(61) Patent of Addition to Application	:NA	3)HORSTBRINK Michael
Number	:NA	4)LANG Tobias
Filing Date	:NA	5)RADWAN Sami
(62) Divisional to Application Number	:NA	6)KUENZL Bernd
Filing Date	:NA	7)WANJA Roland

(57) Abstract :

The invention relates to an ultrasonic flow sensor (110) for detecting a flow of a fluid medium in a flow tube (112). The ultrasonic flow sensor (110) comprises at least one first ultrasonic transducer (116) and at least one second ultrasonic transducer (118) and at least one wave guide (122). The wave guide (122) is designed to conduct ultrasonic waves between the at least one first ultrasonic transducer (116) and the at least one second ultrasonic transducer (118) by means of reflection on walls (126) of the wave guide (122). The wave guide (122) is further designed for the fluid medium to flow through. The ultrasonic flow sensor (110) is equipped such that the ultrasonic waves can propagate between the first ultrasonic transducer (116) and the second ultrasonic transducer (118) on at least two ultrasonic paths (124). The ultrasonic waves are reflected on the different ultrasonic paths (124) with varying frequencies. Sound energies of the ultrasonic waves transmitted on the at least two different ultrasonic paths (124) differ from each other by no more than a factor of 100.

No. of Pages : 23 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3325/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM FOR ORDER RELATIONSHIP AUTHENTICATION AND MOBILE MULTIMEDIA BROADCASTING-CONDITIONAL ACCESS SYSTEM

(51) International classification :H04W12/06  
(31) Priority Document No :200910110633.7  
(32) Priority Date :10/10/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/073775  
Filing Date :10/06/2010  
(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)ZTE CORPORATION**  
Address of Applicant :ZTE Plaza Keji Road South Hi-Tech Industrial Park Nanshan District Shenzhen City Guangdong Province 518057 P.R. China.  
(72)**Name of Inventor :**  
**1)KE Zunyou**

(57) Abstract :

A method for order relationship authentication including: a visited mobile multimedia broadcasting-conditional access system (MMB-CAS) acquiring operation and management information from a corresponding business operating support system (BOSS); the visited MMB-CAS receiving a request message for accessing service key from a user and triggering order relationship authentication; the visited MMB-CAS requesting the home MMB-CAS to perform order relationship authentication on the user; and the visited MMB-CAS receiving an order relationship authentication result of the user fed back from the home MMB-CAS and performing corresponding processing. The present invention also provides an order relationship authentication system and a Mobile Multimedia Broadcasting-Conditional Access System. By the present invention the amount of data synchronized between MMB-CASs is reduced and the overall performance and reliability of the system is improved.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3327/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND DEVICE FOR RATE MATCHING OR RATE DE-MATCHING

(51) International classification	:H04L1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:200910177535.5	<b>1)ZTE CORPORATION</b>
(32) Priority Date	:15/09/2009	Address of Applicant :ZTE Plaza Keji Road South Hi-Tech
(33) Name of priority country	:China	Industrial Park Nanshan Shenzhen Guangdong 518057 China
(86) International Application No	:PCT/CN2010/071222	(72) <b>Name of Inventor :</b>
Filing Date	:23/03/2010	<b>1)LI Bin</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The disclosure discloses a method and device for rate matching or rate de-matching for solving the technical problems of long processing time for rate matching and rate de-matching and bad real-time performance in the prior art. The disclosure accomplishes such operations in need of moving large data amount as sub-block interleaving and so on before a system operates formally and when the system is operated corresponding table location is searched according to real-time parameters the location in which data ought to be stored is read from the location data of rate matching is stored and data of rate de-matching is read according to the data locations indicated in the tables. With the disclosure the processing time of the system is saved the calculation amount of the system is reduced the power consumption of products is reduced and the processing requirements of the real-time system are fulfilled.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.276/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ONLINE TRADING SOCIAL NETWORKING SYSTEM

(51) International classification

:G06Q

(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)KUNAL NANDWANI**

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ROAD, OFF GN CHETTY STREET, T. NAGAR, CHENNAI -  
600 017 Tamil Nadu India

(72)Name of Inventor :

**1)KUNAL NANDWANI**

(57) Abstract :

The present invention to describe an Investors interactivity system, wherein the system enables users of the system to form online communities, forums and interact with each other, track and review trading related ideas, follow portfolios, allocated capital to a group of portfolios and trade using algorithms (or even trades get automatically triggered, or with one confirmation from the investor's information system) when the portfolios change and like activities.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3058/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :03/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ELEVON CONTROL SYSTEM

(51) International classification	:B64C9/34, B64C13/18
(31) Priority Document No	:61/240,985
(32) Priority Date	:09/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/048323
Filing Date	:09/09/2010
(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)AEROVIRONMENT INC.**

Address of Applicant :181 West Huntington Drive Suite  
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(72)**Name of Inventor :**

**1)Carlos Thomas MIRALLES**

**2)Nick PLUMB**

**3)Shuo TAU**

**4)Nathan OLSEN**

(57) Abstract :

A system comprising an aerial vehicle or an unmanned aerial vehicle (UAV) (100 400 1000 1500) configured to control pitch roll and/or yaw via airfoils (141 142 1345 1346) having resiliently mounted trailing edges opposed by fuselage-house deflecting actuator horns (621 622). Embodiments include one or more rudder elements (1045 1046 1145 1146 1245 1345 1346 1445 1446 1545 1546) which may be rotatably attached and actuated by an effector member (1049 1149 1249 1349) disposed within the fuselage housing (1001) and extendible in part to engage the one or more rudder elements.

No. of Pages : 42 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3336/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A HYDROELECTRIC TURBINE CABLING SYSTEM

(51) International classification :F03B13/12  
(31) Priority Document No :09171699.3  
(32) Priority Date :29/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/064459  
Filing Date :29/09/2010  
(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)Openhydro IP Limited**  
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Dublin 2 Ireland  
(72)**Name of Inventor :**  
**1)DUNNE Paul**  
**2)MURPHY Nick**  
**3)IVES James**

(57) Abstract :

The present invention provides a hydroelectric turbine system comprising an array of turbines in series and a cabling system for use in connecting together adjacent turbines in the array the cabling system being designed to allow the majority of the cabling connecting adjacent turbines to be laid substantially in line with the direction of tidal flow in order to reduce stress on the cabling system when the turbines are deployed on the seabed at sites of high tidal flow.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3337/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : TRIPLE DISPLAY DEVICE AND COMPUTER EMPLOYING SAME

(51) International classification :G06F3/14,  
G06F13/10  
(31) Priority Document No :10-2009-0088420  
(32) Priority Date :18/09/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/006384  
Filing Date :17/09/2010  
(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)LEE Eun Suk**

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Samseong-2 dong Gangnam-gu Seoul 135-877 Republic of  
Korea

(72)Name of Inventor :

**1)LEE Eun Suk**

(57) Abstract :

Disclosed are a triple display device and a computer employing same. The triple display device of the present invention comprises a main display, a first auxiliary display, and a second auxiliary display. The main display has a first input port connected, via a first cable, to a first output port of a dual graphic card installed on a main board of a computer, to display status information of the program being run on the computer. The first auxiliary display has a second input port connected, via a second cable, to a second output port of the dual graphic card, to display data (for example, advertisement content or company intranet information) automatically executed on the computer and provided by a specific site connected via the Internet. The second auxiliary display has a USB video module which has a USB output port connected, via a third cable, to a USB output port of the main board, to display data being executed in the main board in accordance with the command inputted by a user. According to the present invention, an increased number of workspaces can be ensured without additional costs, and the first auxiliary display is employed to enable the dedicated display of specific information, and also to enable the constant display of advertisement content to achieve advertisement effects.

No. of Pages : 34 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3338/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A HYDROELECTRIC TURBINE WITH COIL COOLING

(51) International classification	:H02K7/18, F03B13/08
(31) Priority Document No	:09171671.2
(32) Priority Date	:29/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/064477
Filing Date	:29/09/2010
(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

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(72)**Name of Inventor :**

**1)DUNNE Paul**

**2)IVES James**

(57) Abstract :

The present invention provides provided a hydroelectric turbine having a stator and a rotor an array of magnets being fixed to rotor and a corresponding array of coils being fixed to the stator the turbine further including means for cooling the coils during operation of the turbine the cooling means preferably taking the form of one or more channels passing through the stator in close proximity to the coils in order to allow fluid flow through the channels to cool the coils.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.145/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : PALM MASSAGING DEVICE

(51) International classification

:A61H

(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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Dist. Kaohsiung City 81358 Taiwan (R.O.C.) Taiwan

(72)Name of Inventor :

**1)Chih-Hua Tao**

(57) Abstract :

A palm massaging device includes a palm-shaped equipment having a thumb portion a finger portion and a palm portion. The thumb portion the finger portion and the palm portion form a massaging area. Massaging elements are set on terminal ends of the thumb portion and the finger portions and are also set on the palm portion. Therefore one massaging element is set on the terminal of the thumb portion more massaging elements are set on the terminal ends of the finger portions and one massage element at least is set on the contact between the palm portion the thumb portion and the finger portion.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.279/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : YARN '8' SHAPE MAKING/WINDING MACHINE (REVERSIBLE)

(51) International classification

:D03D

(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)P.S. PURAN DARADHASAN**

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631 208, PALLIPAT(TK), THIRUVALLUR(DT) Tamil Nadu  
India

(72)Name of Inventor :

**1)P.S. PURAN DARADHASAN**

(57) Abstract :

This machine can be used in preparing ~8™ shaped yarn which is used in the weaving of lungies / colored dhotis. At present this 8 shaped yarn is prepared manually employing 1 skilled and 5 semiskilled unskilled labourers The time involved in the preparation of one bundle of 400 mts (100 counts yarns) is nearly 45 minutes. The new invention is to replace this manual practice this eliminates 5 laboures and it function the same work in 5 minutes that too mechanically. All it requires is machine fitted with 1/2 HP motor, a semi skilled labour whose work is supervise the proper functioning of the machine. This new invention reduce the labour cost and at the same time increases the productivity many times

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3255/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : HYDRAULIC INTERNAL COMBUSTION ENGINES

(51) International classification	:F02B71/04, F01B11/00
(31) Priority Document No	:61/250,784
(32) Priority Date	:12/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052391
Filing Date	:12/10/2010
(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)STURMAN Oded Eddie**

**2)KISS Tibor**

**3)MASSEY Steven E.**

**4)DRURY David**

(57) Abstract :

Hydraulic internal combustion engines having at least one combustion piston not mechanically connected to a crankshaft or any other combustion piston but instead acting on hydraulic plungers through valving that is electronically controlled to control the piston position and velocity typically through an intake stroke a compression stroke a combustion or power stroke and an exhaust stroke. Electronically controlled fuel injection and electronically controlled engine valves provided great flexibility in the operating cycles that may be used with the engine pumping hydraulic fluid to a high pressure accumulator for use in hydraulic motors or other hydraulic equipment. Embodiments using high pressure air injection to sustain combustion are also disclosed.

No. of Pages : 49 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3366/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CATALYSTS FOR THE PREPARATION OF METHYLPYRIDINE

(51) International classification	:B01J23/44
(31) Priority Document No	:09013123.6
(32) Priority Date	:16/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/006203
Filing Date	:12/10/2010
(87) International Publication No	:WO 2011/045014
	A2
(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)LONZA LTD**

Address of Applicant :LONZASTRASSE, 3930 VISP,  
Switzerland

(72)**Name of Inventor :**

**1)SIEGRIST, WALTER**

**2)SIEGRIST, WALTER**

(57) Abstract :

Subject of the invention is a dehydrogenation catalyst for dehydrogenating methylpiperidine to methylpyridine. Subject of the invention are also methods for preparing the catalysts obtained thereby and methods, in which the catalysts are used.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3367/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR PRODUCING HYBRID PARTICLES

(51) International classification :C08F2/44  
(31) Priority Document No :09013118.6  
(32) Priority Date :16/10/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/065635  
Filing Date :18/10/2010  
(87) International Publication No :WO 2011/045439  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)EVONIK NANOREINS GMBH**  
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(72)**Name of Inventor :**  
**1)SIOL, WERNER**  
**2)LANGERBEINS, KLAUS**  
**3)KUHNER, UWE DIETRICH**

(57) Abstract :

The invention relates to a method for producing hybrid-particles containing polymer and SiO<sub>2</sub>-particles, wherein a) in a first polymerization step in aqueous medium a water-insoluble phase containing one or more monomelic and colloidal SiO<sub>2</sub>-particles having an average particle diameter of 1 to 150nm are polymerized, and b) in a second polymerization step in aqueous medium one or more monomers are polymerized in the presence of the polymer obtained in the first polymerization step.

No. of Pages : 29 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.135/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HIGHLY GAS IMPERMEABLE ELASTOMERIC RUBBER-RUBBER BLEND NANO COMPOSITE

(51) International classification

:C08L

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**1)APOLLO TYRES LIMITED**

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**2)MAHATMA GANDHI UNIVERSITY**

(72)Name of Inventor :

**1)AJESH KULAMAMVILA ZACHARIAH**

**2)ARUP KUMAR CHANDRA**

**3)PULIKAPARAMBIL KOCHAIKREW MOHAMED**

**4)SABU THOMAS**

(57) Abstract :

The present invention relates to a highly gas impermeable elastomeric rubber-rubber blend nanocomposite green formulation and process of preparation thereof. The nanocomposite comprises 70 phr chlorobutyl rubber and 30 phr natural rubber with 1-10 phr nanoclay as filler. Alternatively the nanocomposite comprises 70 phr chlorobutyl rubber and 30 phr natural rubber with 0-10 phr nanoclay as filler. The filler used in the present invention is modified natural montmorillonite clay which shall be either natural montmorillonite clay surface-modified with dimethyl dialkyl ammonium (I.44P) or natural montmorillonite clay surface modified with dimethyl, benzyl, hydrogenated tallow, quaternary ammonium (cloisite 10A). The process of preparing the formulation comprising of masticating 70 phr chlorobutyl rubber and masticating 30 phr natural rubber separately, then mixed them and again masticated. Then nanoclay as filler and curatives were added. The curative addition was done after proper mastication of rubbers. The prepared samples were made into sheets at 160°C at a pressure of 120Kg/Cm<sup>2</sup> using a compression molding press. The fabricated sheets are highly impermeable to oxygen and nitrogen gases and therefore the membrane is utilized for the preparation of different components of tyre.

No. of Pages : 39 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.280/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : RELATION OF ANTONYMS BY R.VELMURUGAN

(51) International classification	:C12N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)R. VELMURUGAN</b>
(32) Priority Date	:NA	Address of Applicant :146/5 NORTH STREET,
(33) Name of priority country	:NA	SENGAMEDU(VILL), AVINANGUDI (PO), TITTAGUDI
(86) International Application No	:NA	(TK), CUDDALORE(DT), PIN - 606 112 Tamil Nadu India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)R. VELMURUGAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

All antonyms are inversely or oppositely proportional thus my insight induce me to construct general formula that connect all pair of antonyms. Above written facts are background of invention.

No. of Pages : 6 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3263/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TIMESTAMPING UPLINK MESSAGES

(51) International classification	:H04W56/00
(31) Priority Document No	:61/255,404
(32) Priority Date	:27/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/054348
Filing Date	:27/10/2010
(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)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
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U.S.A.

(72)**Name of Inventor :**

**1)TENNY Nathan Edward**

**2)AGASHE Parag Arun**

**3)BURROUGHS Kirk Allan**

**4)EDGE Stephen William**

(57) Abstract :

Methods and devices are provided for disambiguating the timing of uplink transmissions. In one embodiment the method may involve receiving from a wireless network a global time value having a wraparound time longer than that of a system frame number for the network the global time value being based at least in part on an overhead message conveying at least one parameter of a first radio access technology (RAT) different from a second RAT used by the network. The method may involve determining a current global time based on the received global time value and sending an uplink message that includes the current global time as a global timestamp.

No. of Pages : 45 No. of Claims : 52



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3380/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CREDENTIAL SUSTRATE FEEDING IN A CREDENTIAL PROCESSING DEVICE

(51) International classification :B41J13/00  
(31) Priority Document No :61/243,670  
(32) Priority Date :18/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/049272  
Filing Date :17/09/2010  
(87) International Publication No :WO 2011/035117 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)HID GLOBAL CORPORATION**  
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IRVINE, CALIFORNIA-92618-3106 U.S.A.  
(72)**Name of Inventor :**  
**1)MEIER, JAMES R.**  
**2)SKOGLUND, JOHN P.**

(57) Abstract :

Embodiments of the invention generally relate to credential processing devices and methods of feeding credential substrates in a credential processing device. One exemplary embodiment of the credential processing device (100) includes a processing path (122), a print head (112), a transport mechanism (110), a first motor (124), a substrate input (190) and an input feed mechanism (200). The print head is configured to print to a surface (129) of a credential substrate (120) that is fed along the processing path. The transport mechanism comprises one or more transport feed rollers (128) that are configured to feed individual credential substrates along the processing path. The first motor is configured to drive the one or more transport feed rollers. The substrate input comprises an input feed roller (198) configured to feed individual substrates from a supply (194) to the transport mechanism. The input feed mechanism has an activated state (214), in which the input feed roller is mechanically coupled to the motor, and a deactivated state (216), in which the input feed roller is mechanically decoupled from the motor.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3261/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM DELAY MITIGATION IN INTERACTIVE SYSTEMS

(51) International classification :A63F13/12

(31) Priority Document No :12/603,344

(32) Priority Date :21/10/2009

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

(86) International Application No :PCT/US2010/053531

Filing Date :21/10/2010

(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)RAJAMANI Krishnan**

**2)SOLIMAN Samir Salib**

**3)RAVEENDRAN Vijayalakshmi**

**4)MARTINEZ BAUZA Judit**

(57) Abstract :

A method sends a signal to render visual information on a display, and receives a user response to the rendered visual information. The user response includes a first delay. The method also queries an electronic system for data indicating a second delay. The second delay is a portion of the first delay and attributable to the electronic system. The method further using the data indicating the second delay to compensate for electronic system delay during interactions with a user.

No. of Pages : 20 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3262/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CALL NOTE MANAGEMENT ON COMMUNICATION DEVICE

(51) International classification	:H04M3/42, H04M1/21
(31) Priority Document No	:61/250,652
(32) Priority Date	:12/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001579
Filing Date	:12/10/2010
(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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Address of Applicant :295 Phillip Street Waterloo Ontario  
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(72)Name of Inventor :

**1)BARDIA KHOSRAVI**

(57) Abstract :

Displaying call note information on a communication device having stored thereon telephone call log information identifying telephone calls made to or from the communications device the telephone call log information including the time and date of the telephone calls wherein associated call note data is stored on the communications device for at least some of the telephone calls including : detecting an input at the communication device requesting display of a call note history; and displaying on a display of the communication device after detecting the input a call note history list that lists telephone calls from the telephone call log information that have associated call note data stored on the communications device wherein the telephone calls in the call note history list are listed according to the time and date of the telephone calls.

No. of Pages : 28 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3375/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : LIQUID CRYSTAL DISPLAY DEVICE

(51) International classification :G09G3/36  
(31) Priority Document No :2009-233386  
(32) Priority Date :07/10/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/067357  
Filing Date :04/10/2010  
(87) International Publication No :WO 2011/043290  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)SHARP KABUSHIKI KAISHA**  
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(72)**Name of Inventor :**  
**1)MATSUI, YOSHITAKA**  
**2)KAWAGOE, YOSHIYUKI**

(57) Abstract :

Disclosed is a liquid crystal display device which can perform suitable overshoot drive, even if a panel temperature is changed due to a change of the light emission luminance of a backlight. The liquid crystal display device is provided with: a liquid crystal panel (5); the backlight (10) which illuminates the liquid crystal panel (5) ; a temperature sensor (13) which detects the temperature in the device; an emphasis conversion section (2), which obtains, after the elapse of one vertical display period of the liquid crystal panel (5), an emphasis conversion parameter for making the transmissivity of the liquid crystal panel (5) reach the transmissivity specified by input image signals, and which outputs applying voltage signals for the liquid crystal panel (5) on the basis of the emphasis conversion parameter; and a main microcomputer (8), which corrects the panel temperature of the liquid crystal panel (5) , said panel temperature corresponding to the temperature detected by means of the temperature sensor (13) , on the basis of the changed light emission luminance when the light emission luminance of the backlight (10) is changed. The emphasis conversion section (2) variably controls the emphasis conversion parameter on the basis of the panel temperature corrected by means of the main microcomputer (8).

No. of Pages : 83 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3377/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : IMPROVED MATERIALS

(51) International classification	:C04B18/26
(31) Priority Document No	:0916485.6
(32) Priority Date	:18/09/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051563
Filing Date	:17/09/2010
(87) International Publication No	:WO 2011/033311 A2
(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)CCM RESEARCH LIMITED**

Address of Applicant :KENTON HOUSE, OXFORD STREET, MORETON IN MARSH, GLOUCESTERSHIRE-GL56 OLA U.K.

(72)**Name of Inventor :**

**1)HAMMOND, PETER**

(57) Abstract :

The present invention relates to materials having improved and useful properties and to methods relating to the manufacture of said materials. In particular the present invention relates to a method of modifying the surface of a material, preferably a fibrous material, to enable carbon dioxide to be carried by the surface. The carbon dioxide may be bound to the surface in a reversible or irreversible manner. The method of treating the surface of a material comprises (a) contacting the surface of the material with a composition comprising an amino compound; and (b) contacting the surface of the material with a composition comprising carbon dioxide or a source thereof.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3381/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : FIXING STRUCTURE OF CONNECTOR

(51) International classification :H01R13/424  
(31) Priority Document No :2010-006487  
(32) Priority Date :15/01/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/051037  
Filing Date :14/01/2011  
(87) International Publication No :WO 2011/087150  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)YAZAKI CORPORATION**  
Address of Applicant :4-28, MITA 1-CHOME, MINATO-KU, TOKYO Japan  
(72)**Name of Inventor :**  
**1)KASHIYAMA, MOTOHISA**  
**2)OISHI, MASANOBU**

(57) Abstract :

A fixing structure of a connector includes a housing and a rear holder fixing the housing to a casing by screws. The rear holder has a base plate opposing the casing. First through holes are formed on the base plate so as to correspond to second openings for leading out conductive parts of the female terminals respectively. Terminal holding members are respectively provided at the first through holes for contacting the female terminals respectively. The screws are inserted respectively through second through holes which are arranged so as to deviate to one side with respect to a center of gravity of a region in which the first through holes are formed. Elasticity of one of the terminal holding members which is disposed at a first position facing at least one of the second through holes in a peripheral part of the region are smaller than elasticity of another one of the terminal holding members which is disposed at a position except for the first position.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3382/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ELECTRONIC CONTROL APPARATUS FOR VEHICLE

(51) International classification :B60R16/02  
(31) Priority Document No :2009-218098  
(32) Priority Date :18/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/065823  
Filing Date :14/09/2010  
(87) International Publication No :WO 2011/034053  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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SHINJUKU, TOKYO 163-0539 Japan  
(72)**Name of Inventor :**  
**1)YUUKI, TAICHI**  
**2)KIYOHAR, KEIJI**

(57) Abstract :

In a vehicle electronic control apparatus, a microcomputer (M) includes determination circuits (1, 2) that determine whether a driving voltage of the microcomputer is equal to or larger than a first threshold voltage at which a control operation of the vehicle electronic control apparatus can be performed, and whether the driving voltage of the microcomputer is equal to or larger than a second threshold voltage at which an operation of the microcomputer itself can be performed and less than the first threshold voltage, a control permitting unit (4a) that permits a control operation performed by the microcomputer when the determination circuit determines that the driving voltage is equal to or larger than the first threshold voltage, and a soft-resetting unit (4b) that prohibits the control operation performed by the microcomputer when the determination circuit determines that the driving voltage is equal to or larger than the second threshold voltage and less than the first threshold voltage.

No. of Pages : 21 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3383/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : GAS PHASE HYDROFORMYLATION PROCESS

(51) International classification :C07F9/145  
(31) Priority Document No :61/252,450  
(32) Priority Date :16/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/051576  
Filing Date :06/10/2010  
(87) International Publication No :WO 2011/046781 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)DOW TECHNOLOGY INVESTMENTS LLC**  
Address of Applicant :2020 DOW CENTER, MIDLAND  
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(72)**Name of Inventor :**  
**1)WEGMAN, RICHARD, W.**

(57) Abstract :

A gas phase catalytic hydroformylation process for producing at least one aldehyde product in the presence of a transition metal-ligand complex hydroformylation catalyst and water vapor. Surprisingly, catalyst activity can be sustained by having traces of water vapor in the feed stream. Additionally, additional ligand can be added to replace lost ligand to maintain activity. In addition, it has been found that treatment of the catalyst with a buffer can rejuvenate catalyst activity.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3384/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DISTRIBUTED POWER GENERATION INTERFACE

(51) International classification :H02J3/01  
(31) Priority Document No :61/243,807  
(32) Priority Date :18/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/001466  
Filing Date :17/09/2010  
(87) International Publication No :WO 2011/032287 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)KHAJEHODDIN, SAYED ALI**  
**2)GHARTEMANI, MASOUD KARIMI**  
**3)JAIN, PRAVEEN**  
**4)BAKHSHAI, ALIREZA**

(57) Abstract :

Described herein are methods, systems, and apparatus for a controller for a power circuit that interfaces distributed power generation with a power distribution grid, comprising: a first portion, including a maximum power point tracker, that receives signals corresponding to the distributed power generation voltage and current, and outputs to the power circuit a signal for controlling the voltage of the distributed power generation; a second portion, including a current reference generator, a current controller, and a dc voltage controller, that receives signals corresponding to a dc voltage of the power circuit, the power distribution grid voltage and current, and the inverter current, and outputs signals for controlling the power circuit output voltage; wherein the current reference generator includes nonlinear circuit elements and generates a current reference signal from the dc voltage of the power circuit and the grid voltage and current; such that substantially harmonic-free power is injected into the power distribution grid. The distributed power generation may be, for example, a photovoltaic module or a wind turbine.

No. of Pages : 56 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.134/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHODS AND SYSTEMS FOR PROVIDING ACCESS TO AN ONLINE SYSTEM

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SALESFORCE.COM, INC.</b>
(32) Priority Date	:NA	Address of Applicant :THE LANDMARK @ ONE
(33) Name of priority country	:NA	MARKET, SUITE 300, SAN FRANCISCO CA 94105 U.S.A.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DIPAK PATIL</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 :

Methods and systems are provided for enabling access to a secure system from a remote system without directly logging into the secure system for debugging purposes. The secure system and the remote system may login to a host system with a session ID and establish a session. The secure system starts a Hyper Text Transport Protocol (HTTP) enabled debugger to enable debugging of the web browser traffic. The HTTP enabled debugger may be displayed on the remote system via the host system. The remote system may enter debug commands from a web browser on the remote system. The debug commands are then applied on the web browser of the secure system.

No. of Pages : 47 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.149/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : INHERENTLY RADIOPAQUE AND NON-TOXIC POLYURETHANE COMPOSITIONS

(51) International classification	:C05G	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SREE CHITRA TIRUNAL INSTITUTE FOR
(32) Priority Date	:NA	MEDICAL SCIENCES AND TECHNOLOGY
(33) Name of priority country	:NA	Address of Applicant :BIOMEDICAL TECHNOLOGY
(86) International Application No	:NA	WING, POOJAPPURA, THIRUVANANTHAPURAM-695012
Filing Date	:NA	Kerala India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ROY JOSEPH
Filing Date	:NA	2)KIRAN SUKUMARAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a radiopaque non-toxic thermoplastic elastomeric polyurethane composition comprising the reaction product of (a) a diisocyanate; (b) at least one glycol having a molecular weight of from about 100 to about 6000; (c) an isocyanate-reactive iodine-containing chain-extender compound, and optionally, a catalyst.

No. of Pages : 18 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.164/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :16/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD OF DETECTING RESIDUAL GENOMIC DNA AND A KIT THEREOF

(51) International classification

:C12Q

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**2)REENA NICHINMETLA RAGHUNANDAN**

(57) Abstract :

The present disclosure relates to a highly specific and sensitive method of detecting host cell impurities in a biological sample by using quantitative real time polymerase chain reaction (qPCR).The present disclosure also provides novel designed primer and probe to amplify only the specific Alu family of dispersed repetitive sequences from Chinese hamster ovary cells used for expression of therapeutic proteins.

No. of Pages : 76 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2113/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : INDENONE DERIVATIVE AND PHARMACEUTICAL COMPOSITION COMPRISING SAME

(51) International classification :C07D265/33  
(31) Priority Document No :10-2009-0085954  
(32) Priority Date :11/09/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2009/006085  
Filing Date :21/10/2009  
(87) International Publication No :WO/2011/030955  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)HEO, JUNG NYOUNG**

**2)BAE, MYUNG AE**

**3)KIM, NACK JEONG**

**4)CHANG, SUNG YOUN**

**5)KANG, NAM SOOK**

**6)YOO, SUNG EUN**

**7)HWANG, EUN SOOK**

(57) Abstract :

An indenone derivative of formula (1) is effective in enhancing the activity of osteoblastic cells and inhibiting bone resorption by osteoclastic cells, and a pharmaceutical composition comprising the indenone derivative or a pharmaceutically acceptable salt thereof is useful for preventing or treating bone diseases such as osteoporosis.

No. of Pages : 137 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3277/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : TRANSDERMAL ANTENNA•

(51) International classification	:A61B17/00, A61B19/00
(31) Priority Document No	:61/248,421
(32) Priority Date	:03/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000793
Filing Date	:03/10/2010
(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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(72)Name of Inventor :

**1)LIVNEH Noam**

**2)MINTZ Yoav**

**3)BAR-BRACHA Vered**

**4)BRACHA Arik**

(57) Abstract :

A transdermal antenna may be partially inserted into a cavity in the body of a mammal to receive wireless data transmissions from devices located within the body and relay the data to devices located outside of the body. The transdermal antenna may include a first antenna which may be inserted inside of the body cavity and receive radio frequency data transmissions from devices located inside the body. The transdermal antenna may conduct the received data transmissions to a relay mechanism located outside of the body using coaxial cables waveguides or a combination of both. The relay mechanism may relay the conducted data transmissions to a receiver device located outside of the body by using a wire connection such as a coaxial cable or a wireless communication link via a transceiver coupled to a second antenna.

No. of Pages : 54 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3390/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : FOCUSING DEVICE, FOCUSING METHOD, FOCUSING PROGRAM AND MICROSCOPE

(51) International classification :G02B7/34  
(31) Priority Document No :2009-244735  
(32) Priority Date :23/10/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/005713  
Filing Date :21/09/2010  
(87) International Publication No :WO 2011/048749  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)TAKASHI YAMAMOTO**  
**2)NOBUHIRO KIHARA**

(57) Abstract :

In one example embodiment, a focusing device generates a first image associated with a sample having a first irregularity. The focusing device determines a second irregularity based on the generated first image. In this embodiment, the determined second irregularity corresponds to the first irregularity. For a lens, the focusing device determines a focusing position based on the determined second irregularity.

No. of Pages : 47 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A DEVICE AND METHOD FOR ESTIMATION OF CALORIES CONSUMED FOR AN ACTIVITY

(51) International classification

:G01C

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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Karnataka India

**2)ROBERT BOSCH GMBH**

(72)Name of Inventor :

**1)ABHINAV MEESALA**

**2)DEEPAK ARAVIND**

**3)AIBIN PAUL LAZAR**

**4)PRANAVA TRIPATHI**

(57) Abstract :

The present invention discloses a device (10) for estimation of calories consumed for performing an activity over a varying altitude. The device (10) includes at least one acceleration sensor (12) adapted to detect an activity being performed and at least one pressure sensor (14) to detect the ambient air pressure. A processor (16) determines the altitude at which the user is performing the activity from the air pressure as detected by the air pressure sensor. The processor (16) monitors the rate of change of air pressure and the rate of change of altitude. The frequency of estimation of the calories is directly proportional to the rate of change of altitude or rate of change of pressure.

No. of Pages : 10 No. of Claims : 9



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3385/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF DRIVING THE SAME

(51) International classification :G09G3/36  
(31) Priority Document No :2009-252725  
(32) Priority Date :04/11/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/064559  
Filing Date :27/08/2010  
(87) International Publication No :WO 2011/055584  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)SHARP KABUSHIKI KAISHA**  
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**1)MORII, HIDEKI**  
**2)IWAMOTO, AKIHISA**  
**3)MIZUNAGA, TAKAYUKI**  
**4)OHTA, YUUKI**

(57) Abstract :

An object is providing a liquid crystal display device having a monolithic gate driver capable of quickly eliminating residual charges within pixel formation portions when the power-supply is turned off. Each of bistable circuits that constitute a shift register within a gate driver is provided with a thin-film transistor having a drain terminal connected to a gate bus line, a source terminal connected to a reference potential line for transmitting a- reference potential (H\_\_SIG\_VSS) , and a gate terminal to which a clock signal for operating the shift register is supplied. When the external supply of power-supply voltage (PW) is cut off, the clock signal is set to high level to turn the thin-film transistor to the ON state, and the level of the reference potential (H\_SIG\_VSS) is increased from a gate-OFF potential (VGL) to a gate-ON potential (VGH).

No. of Pages : 77 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3386/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ADVERTISING THROUGH CELL BROADCAST

(51) International classification	:G06Q 30/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:PCT/IN2009/000575	<b>1)M/S NETXCELL LIMITED</b>
(32) Priority Date	:13/10/2009	Address of Applicant :3-5-798, 4TH & 5TH FLOOR,
(33) Name of priority country	:PCT	PRATHIMA SCHALASS, BASHEERBAGH, HYDERABAD -
(86) International Application No	:PCT/IN2009/000575	500 029 Andhra Pradesh India
Filing Date	:13/10/2009	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO/2011/045804	<b>1)MR. DEBASIS CHATTERJI</b>
(61) Patent of Addition to Application	:NA	<b>2)MR. SAMRAT MAJUMDER</b>
Number	:NA	<b>3)MR. JOHN ANDREW BETRENE</b>
Filing Date	:NA	<b>4)MR. MIDHUN RAJU PYATE GOWDA KAKE</b>
(62) Divisional to Application Number	:NA	<b>5)MR. VINAY KUMAR CHENNABATHNI</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to an advertising method and apparatus provides advertising services via broadcast messages to mobile stations and other devices. The broadcasted messages are stored and authenticated prior to being communicated to devices within a geographic area. The apparatus has different interfaces for individual advertisers. Each advertiser stores messages to be broadcasted in the allocated spaces within the advertising apparatus and method. All messages prior to being broadcasted are authenticated by the operator. Messages broadcasted are on separate broadcast channels. The advertising method and apparatus includes a Geographic Information System (GIS), the advertising entity with an http interface that receives messages from the advertisers and a cell broadcast center that communicates the cell broadcast messages to the mobile station and other devices. The advertising method and apparatus may push information to devices based on activation. The advertisers and the operator use the advertising entity through the http interface.

No. of Pages : 22 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3388/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR MANAGING E-MAIL ATTACHMENTS IN AN EMAIL APPLICATION

(51) International classification :G06Q10/00

(31) Priority Document No :0905019

(32) Priority Date :19/10/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/052138

Filing Date :11/10/2010

(87) International Publication No :WO 211/048301 A1

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)BRUNO VIDALENC**

**2)LAURENT CIAVEGLIA**

(57) Abstract :

The invention proposes a method for managing email attachments in an email application, said method used, on opening an attachment using an editing application defined based on the nature of said attachment, to edit a copy of said attachment and to save the modifications made to said copy as a modified version of said attachment, said method also allowing a logical link to be created between the modified version and the email, said logical link being used to attach said modified version to said email as a modified attachment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3391/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : INDIVIDUALLY TAILORED SOFT COMPONENTS

(51) International classification :B29C33/00

(31) Priority Document No :61/252,222

(32) Priority Date :16/10/2009

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

(86) International Application No :PCT/DK2010/050256

Filing Date :06/10/2010

(87) International Publication No :WO 2011/044903 A3

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)**Name of Inventor :**

**1)IAIN MCLEOD**

**2)RUNE FISKER**

(57) Abstract :

Disclosed is a computer-implemented method for creating a customized CAD model of a casting mold, defined as the casting mold CAD model, for moulding of a personalized device, where the casting mold is used for casting an at least partly soft mould as part of the personalized device, and where the casting mold is adapted to be manufactured by means of rapid prototyping, such as 3D printing, said method comprising the steps of: -acquiring an input 3D model representing the personalized device, where the input 3D model is acquired by means of 3D scanning, - generating the casting mold CAD model as an impression of at least a part of the input 3D model, said casting mold CAD model thereby comprising the negative geometry of the personalized device, and - defining at least one sectioning of the casting mold CAD model by means of at least one separation plane and/or separation spline.

No. of Pages : 43 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3392/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : COMPUTER-IMPLEMENTED METHOD FOR OPTIMIZING AN INJECTION MOLDING PROCESS FOR PRODUCING THICK-WALLED COMPONENTS

(51) International classification :G06F17/50  
(31) Priority Document No :09013073.3  
(32) Priority Date :16/10/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/065279  
Filing Date :12/10/2010  
(87) International Publication No :WO 2011/045314  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
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(72)Name of Inventor :  
**1)FLORIAN DORIN**  
**2)CHRISTOPH KLINKENBERG**  
**3)OLAF ZOLLNER**

(57) Abstract :

A computer-implemented method for optimising an injection moulding process for producing thick-walled components based on a model parameterised on the basis of parameters to be predetermined is provided, wherein a component to be produced is represented in the model with a component geometry, and the method comprises at least the following steps: ,e) defining a group of parameters as primary characteristics on the basis of a relative influence of the parameters on a predetermined model response, and f) defining parameter values for the primary characteristics as starting values for a subsequent optimisation of the model and of respective tolerance ranges for the primary characteristics, c) optimising the parameter values of the individual primary characteristics with respect to a desired value of the model response in the respective tolerance ranges, proceeding from the starting values from step a), and d) setting the optimised parameter values from step c) as the corresponding starting parameter values on an injection-moulding machine.

No. of Pages : 30 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3393/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : RF BUFFER CIRCUIT WITH DYNAMIC BIASING

(51) International classification :H03K17/687  
(31) Priority Document No :12/603,379  
(32) Priority Date :21/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/053627  
Filing Date :21/10/2010  
(87) International Publication No :WO 2011/050214 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :

**1)RAJAGOPALAN RANGARAJAN**

**2)CHINMAYA MISHRA**

(57) Abstract :

An RF buffer circuit for a voltage controlled oscillator (VCO) includes dynamic biasing circuitry to selectively flip the phase of the output voltage waveform. In a CMOS implementation, a PMOS / NMOS pair is employed in an output path. During a high (voltage) swing mode condition, the phase of the output is flipped such that the output waveform is in phase with the voltages appearing at the gates of the PMOS/NMOS pair. The technique thereby reduces peak gate-to-drain voltages and allows for improved reliability of the MOS devices in a configuration amenable to low phase noise and low power consumption.

No. of Pages : 29 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3394/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : UPLINK RESOURCE ALLOCATION FOR LTE ADVANCED

(51) International classification :HO4W72/04  
(31) Priority Document No :61/249,911  
(32) Priority Date :08/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/052035  
Filing Date :08/10/2010  
(87) International Publication No :WO 2011/044494 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)PETER GAAL**  
**3)AAMOD DINKAR KHANDEKAR**  
**4)JUAN MONTOJO**  
**5)NAGA BHUSAHAN**

(57) Abstract :

Methods, systems, apparatus and computer program products are provided to receive downlink control information (DO) in a downlink control channel, where the downlink control information configured to indicate an allocation of uplink resources with a clustered uplink resource allocation protocol or a contiguous uplink resource allocation protocol, to detect which of the clustered uplink resource allocation protocol and the contiguous uplink resource allocation protocol is indicated and to allocate the uplink resources based on the indicated uplink resource allocation protocol.

No. of Pages : 68 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1646/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/02/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR GENERATING CRYPTOGRAPHIC HALF-KEYS, AND ASSOCIATED SYSTEM

(51) International classification :H04L9/08  
(31) Priority Document No :09/03845  
(32) Priority Date :04/08/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/EP2010/061350  
Filing Date :04/08/2010  
(87) International Publication No :WO 2011/015600  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)ADRIEN DUPREZ**  
**2)PAUL GOMPEL**  
**3)PHILIPPE PAINCHAULT**

(57) Abstract :

The present invention relates to a method for generating cryptographic half-keys. The method makes it possible to generate n pairs (Ki1, Ki2), 1<i

No. of Pages : 12 No. of Claims : 8



(12) PATENT APPLICATION PUBLICATION

(21) Application No.264/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : END OF ARM TOOL FOR BOTTLE HOLDING

(51) International classification

:B25J

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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Nadu India

(72)Name of Inventor :

**1)T. NANDKUMAR**

(57) Abstract :

An End of Arm Tool (EOAT) secured to a robotic arm for holding and dispensing articles comprising: o a planar body comprising: a plurality of cavities disposed along a first edge portion and a second edge portion thereof, wherein each cavity is adapted to receive at least one article therein;

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.292/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ATRAUMATIC COMMON ILIAC ARTERY CLAMP

(51) International classification	:A61B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)DR. V P PAILY</b>
(32) Priority Date	:NA	Address of Applicant :MOTHER HOSPITAL AND RAJI
(33) Name of priority country	:NA	NURSING HOME, THRISSUR Kerala India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. V P PAILY</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 novel atraumatic common iliac artery clamp is provided for use in patients with the condition of placenta previa accreta during cesarean section. This can also be of use by cancer surgeons dealing with malignant tumours invading pelvic walls and general surgeons and orthopedic surgeons dealing with pelvic and lower limb trauma leading to severe bleeding. The purpose of the clamp is to occlude the blood flow through the common iliac arteries for about 30 to 40 minutes. The clamp comprises a pair of smooth walled blades with overlapping tips to avoid slip-out of the arteries during occlusion and a long ratchet arrangement to adjust the tightness just enough to block the circulation of blood but at the same time without damaging the vessel wall.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3401/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HYBRID PARTICLE MADE OF POLYMERS AND NANOPARTICLES

(51) International classification	:C08L33/12, C08F20/06
(31) Priority Document No	:09013117.8
(32) Priority Date	:16/10/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/065633
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

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)SIOL Werner**  
**2)LANGERBEINS Klaus**  
**3)KHNER Uwe Dietrich**

(57) Abstract :

Subject of the invention is a hybrid particle comprising at least two vinyl polymers (vinyl polymers A and B) wherein vinyl polymer A comprises colloidal SiO<sub>2</sub> particles with an average particle size from 1 to 150 nm and vinyl polymer B is capable of crosslinking hybrid particles to one another.

No. of Pages : 30 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3405/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SOLAR GENERATION METHOD AND SYSTEM

(51) International classification :H02J3/38  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/ES2009/070438  
Filing Date :14/10/2009  
(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)GIRAUT RUSO Elizabeth**

**2)PADRS RAZQUIN Maria Asunci³n**

**3)ITIZ BEUNZA Carlos**

(57) Abstract :

The invention describes a solar generation method by means of a system (1) comprising a set of solar cells (2) connected to an inverter (4) that transmits the energy generated to an electrical network (6) which comprises controlling the active and reactive power that the system (1) transmits to the electrical network (6) by controlling the voltage (Vcell) of the cells (2) and the output current (Iinv) of the inverter (4) such that: in a first mode of operation the voltage (Vcell) of the cells (2) provides the maximum active power in accordance with the operating conditions; and in a second mode of operation the voltage (Vcell) in the cells (2) is different from the voltage that provides the maximum active power generating an active power that is lower than the maximum in order to optimise the integration of the solar generation system (1) into the electrical network (6).

No. of Pages : 23 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.144/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MASSAGING CHAIR WITH PALM MASSAGING DEVICES

(51) International classification	:A161H	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)CHE TAI INTERNATIONAL CO. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :17F. No.77 Liwen Rd. Zuoying
(33) Name of priority country	:NA	Dist. Kaohsiung City 81358 Taiwan (R.O.C.) Taiwan
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Chih-Hua Tao</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 massaging chair is provided with a base; a seat supported by the base; two arms on both sides of the seat respectively; a back pivotably secured to the base; and two palm massaging devices each including a sliding assembly slidably disposed on the arm and a massaging assembly on the sliding assembly. The massaging assembly includes a casing at least one first air cushion on an underside of a top of the casing and at least one second air cushion on a bottom of an interior of the casing each of the at least one second air cushions having massaging knobs. The sliding assembly includes two parallel rails a support between the rails two first rollers each rotatable in one rail and connecting to the support two second rollers each rotatable in the other rail and a seat held by the support and connecting to the massaging assembly.

No. of Pages : 19 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.283/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATIC MODAL PARAMETER EXTRACTION IN STRUCTURAL DYNAMICS ANALYSIS

(51) International classification	:F16F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)AIRBUS ENGINEERING CENTRE INDIA</b>
(32) Priority Date	:NA	Address of Applicant :Unit 301 3rd Floor Tower B RMZ
(33) Name of priority country	:NA	Infinity Campus Old Madras Road Bangalore - 560 016
(86) International Application No	:NA	Karnataka India Nagaland India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)Kaustav Mitra</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 and method for automatic modal parameter extraction in structural dynamics analysis are disclosed. In one embodiment a stabilization diagram of a structure is obtained using a frequency domain parameter extraction technique. The stabilization diagram is a graph of measured transfer functions which include stable poles of the structure for each modal order versus frequencies which include modal frequencies of each stable pole. Further a user is allowed to input user modal parameters such as a maximum damping ratio maximum number of stable poles to be selected from the stabilization diagram and minimum separation in frequency between consecutive stable poles. Furthermore stable poles having a damping ratio less than or equal to the maximum damping ratio are obtained. A histogram having bins with a width equal to the minimum separation in frequency is obtained. Also the modal parameter of the structure is automatically extracted using the histogram.

No. of Pages : 26 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3409/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : POWER SUPPLYING SYSTEM

(51) International classification	:H02M3/156, H02M1/42
(31) Priority Document No	:09176451.4
(32) Priority Date	:19/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055212
Filing Date	:17/11/2010
(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)KONINKLIJKE PHILIPS ELECTRONICS N.V.**  
Address of Applicant :GROENEWOUDSEWEG 1  
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(72)**Name of Inventor :**  
**1)HOLLEVOET Tony Andre Roger**  
**2)ZEE Kum Yoong**  
**3)FENG Chengfang**  
**4)SGUI Zheng Quan**

(57) Abstract :

A power converter system (100) comprises a power converter (102), an analyzing circuit (114) and a power converter controller (110). The power converter (102) receives a mains voltage (108) and provides power (104) to a signal processing circuit (106). The power converter (102) is configured for operating in either a first mode wherein the power converter (102) is able to supply a first power level, or in a second mode wherein the power converter (102) is able to supply a second power level. The second power level exceeds the first power level. The signal processing circuit (106) processes a signal (116) in a normal operational mode. The analyzing circuit (114) analyzes the signal (116). The analyzing circuit (114) generates a power signal (112) that indicates a power consumption of the signal processing circuit (106) in normal operation. The power converter controller (110) receives the power signal (112) and controls the power converter (102) to operate in the first mode or in the second mode. The power converter (102) is controlled to operate in the first mode only when the power signal (112) indicates that the power consumption of the signal processing circuit (106) is below the first power level.

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3410/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : OBJECT-SENSING LIGHTING NETWORK AND CONTROL SYSTEM THEREFOR

(51) International classification	:H05B33/08, F21S8/08
(31) Priority Document No	:61/257510
(32) Priority Date	:03/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/054781
Filing Date	:21/10/2010
(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)NIEUWLANDS Erik**  
**2)LOVELAND Damien**  
**3)ASHDOWN Ian**

(57) Abstract :

Disclosed herein is an object-sensing lighting network and an intelligent control system therefore. The control system dynamically determines the at least one lighting fixture<sup>TM</sup>s relationship to a plurality of other lighting fixtures. The light output level of a light source of the at least one lighting fixture is based at least partially on the at least one lighting fixture<sup>TM</sup>s relationship to the other lighting fixtures.

No. of Pages : 36 No. of Claims : 20



(12) PATENT APPLICATION PUBLICATION

(21) Application No.163/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :16/01/2012

(43) Publication Date : 26/07/2013

( 4) Title of the invention : A NEXT GENERATION SMART CARD

(51) International classification	:H04W	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Alcatel Lucent</b>
(32) Priority Date	:NA	Address of Applicant :3 Avenue Octave Greard Paris
(33) Name of priority country	:NA	France
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Rijin John</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 embodiments herein relate to mobile technology and more particularly to use of smart cards in mobile technology. The embodiments herein disclose a smart card that can be used in mobile devices by which the mobile device will be able to utilize the resources of multiple mobile service providers simultaneously hereby improving the user experience by better data throughput service continuity reliability and more.

No. of Pages : 20 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.241/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CANE SEEDLINGS PRUNER

(51) International classification

:A01G

(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)TAMILNADU AGRL. UNIVERSITY**

Address of Applicant :COIMBATORE 641 003 Tamil Nadu  
India

(72)Name of Inventor :

**1)DR. G. KATHIRESAN**

(57) Abstract :

Cane seedlings pruner is a tool which is manually used to prune the stem of the seedlings. It has two parts, one is handling and another is hook. The hook is attached at the one end of the handle. The inner portion of the hook is much sharpened and narrow which is used to prune the stem. Labour has to handle the tool with the help of the handle and place the cane stem in inner portion which is narrow enough to hold the stem. Just at one pull, the stem can be pruned. By walking, without bending, labour can cover the field. Totally three laborers are needed to cover an hectare area. Here, no bending of the body is needed for pruning. But, in the case of conventional methods, the labour has to bend down to prune the stem of the seedlings. The cane seedlings pruner can save 60 per cent of labour cost and reduction of drudgery and bending the body.

No. of Pages : 7 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3420/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : APPARATUS FOR MEASURING A LEVEL OF A SPECIFIC GAS IN EXHALED BREATH

(51) International classification	:A61B5/08, G01H5/00
(31) Priority Document No	:09174836.8
(32) Priority Date	:03/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/054912
Filing Date	:29/10/2010
(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)VAN KESTEREN Hans Willem**

(57) Abstract :

There is provided an apparatus for measuring levels of a specified gas in exhaled breath the apparatus comprising a photoacoustic sensor for providing a measurement representative of the level of the specified gas in the exhaled air wherein the photoacoustic sensor comprises a light source that is modulated at a first frequency; a sound speed measurement module for measuring the sound speed of the exhaled breath wherein the sound speed measurement module operates either at a second frequency that is substantially different to the first frequency or in a pulsed mode; wherein the first frequency of the modulated light source is adjusted during exhalation in accordance with the measured speed of sound of the exhaled breath.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3421/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ACCESS POINT SCHEDULED PEER-TO-PEER COMMUNICATION

(51) International classification :H04W72/12

(31) Priority Document No :61/255,993

(32) Priority Date :29/10/2009

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

(86) International Application No :PCT/US2010/054746

Filing Date :29/10/2010

(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)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
U.S.A.

(72)Name of Inventor :

**1)ABRAHAM Santosh P.**

**2)SAMPATH Hemanth**

(57) Abstract :

Certain aspects of the present disclosure relate to a technique for scheduling multiple peer-to-peer communications in a wireless network using an access point (AP). The existing power management framework for AP-based communications is utilized to achieve AP-based scheduling of peer-to-peer communications.

No. of Pages : 35 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3422/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : APPARATUS AND METHOD FOR RANDOM ACCESS SIGNALING IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04B7/06, H04B7/04	(71) <b>Name of Applicant :</b> <b>1)QUALCOMM Incorporated</b> Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 U.S.A.
(31) Priority Document No	:61/257,411	
(32) Priority Date	:02/11/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/055149	(72) <b>Name of Inventor :</b>
Filing Date	:02/11/2010	<b>1)LUO Tao</b>
(87) International Publication No	: NA	<b>2)CHEN Wanshi</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MONTJOJO Juan</b>
Filing Date	:NA	<b>4)GAAL Peter</b>
(62) Divisional to Application Number	:NA	<b>5)ZHANG Xiaoxia</b>
Filing Date	:NA	

(57) Abstract :

An apparatus and method for providing random access signaling in a multiple input multiple output (MIMO) wireless communication system are provided. The apparatus and method determine a random access transmission scheme for the MIMO communication system based at least in part on a number of transmit antennas in the system. The random access signals are transmitted in a random access channel using the random access transmission scheme. Power control for the random access channel is performed based at least in part on the random access transmission scheme.

No. of Pages : 36 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3413/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DYNAMIC AMBIENCE LIGHTING SYSTEM

(51) International classification :H05B37/02,  
H04N9/73  
(31) Priority Document No :09179300.0  
(32) Priority Date :15/12/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/IB2010/055119  
Filing Date :11/11/2010  
(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)COEZIJN Etienne Rene Eveline**  
**2)GALEAZZI Guido**  
**3)KWISTHOUT Cornelis Wilhelmus**

(57) Abstract :

The invention relates to an ambience lighting system typically for use in conjunction with a display device. The ambience lighting system may be of the type AmbiLight. The ambience lighting system comprises one or more light sources associated to subregions of the display screen; a content characterizer for determining content characteristics of image data of the subregions; and a controller controlling the color of the emitted ambience light of the one or more light sources in accordance with determined content characteristics of the subregions of the display screen. The subregions are configured to move from a prior position to a next position and the content characterizer and the controller are adapted for controlling the color of the emitted ambience light in accordance with the determined content characteristics of the image data of subregions of the next position. A dynamic ambience lighting is thereby obtained.

No. of Pages : 19 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3414/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : RADIO FREQUENCY ABLATION CATHETER AND MAGNETIC RESONANCE IMAGING SYSTEM

(51) International classification	:A61B18/14, A61B5/042	(71)Name of Applicant :
(31) Priority Document No	:09174740.2	<b>1)KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>
(32) Priority Date	:02/11/2009	Address of Applicant :GROENEWOUDSEWEG 1
(33) Name of priority country	:EPO	EINDHOVEN 5621 BA NETHERLANDS
(86) International Application No	:PCT/IB2010/054816	(72)Name of Inventor :
Filing Date	:25/10/2010	<b>1)WEISS Steffen</b>
(87) International Publication No	: NA	<b>2)KRUEGER Sascha</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 comprising: - a transmission line (104 106 924 1202 1302 1902 ) wherein the transmission line comprises a plurality of radio frequency traps (118 318 418 518 618 718 818 918 1018 1202 1404 ); and - a cooling line (104 304 1200 1900) for cooling the plurality of radio frequency traps with a fluid.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3415/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AMBIENCE LIGHTING SYSTEM USING GLOBAL CONTENT CHARACTERISTICS

(51) International classification :H04N9/73  
(31) Priority Document No :09179913.0  
(32) Priority Date :18/12/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/IB2010/055258  
Filing Date :18/11/2010  
(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)KWISTHOUT Cornelis Wilhelmus**  
**2)COEZIJN Etienne Rene Eveline**  
**3)SCHUT Maria Helena**

(57) Abstract :

The invention relates to an ambience lighting system typically for use in conjunction with a display device. The ambience lighting system may be of the type AmbiLight. The ambience lighting system comprises one or more light sources associated to subregions of the display screen; a content characterizer for determining content characteristics of image data of the subregions; and a controller to control the color of the emitted ambience light in accordance with determined content characteristics. The content characterizer is further adapted to determine content characteristics of a global region of the display screen and the controller is adapted to control the color of the emitted ambience light in accordance with the determined content characteristics of the subregions and of the global region.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3416/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ASSEMBLY

(51) International classification	:H01R13/703
(31) Priority Document No	:09174765.9
(32) Priority Date	:02/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/054790
Filing Date	:22/10/2010
(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)SCHWENK Marcus**  
**2)DUBIELCZYK Alexander**

(57) Abstract :

The invention relates to an assembly comprising a main device and an accessory, which can be connected by a safe connector and a safe detection method. According to the invention, the assembly comprises: - a main device (2), - an accessory (3) connectable to the main device (2), - the accessory (3) comprising an accessory connector (4) for mating with a device connector (5) of the main device (2), - the accessory connector (4) and the device connector (5) each comprising one or more supply contacts (7) for transmitting electric power from the main device (2) to the accessory (3), - the main device (2) comprising a detection device (9), which, if connecting the accessory (3) to the main device (2), receives complex accessory data stored by the accessory (3) and which by positive evaluation of the complex data enables applying a supply voltage at the one or more supply contacts (7) of the device connector (5).

No. of Pages : 15 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3210/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR USING GENERIC SOFTWARE APPLICATIONS BY MEANS OF OCULAR CONTROL AND SUITABLE METHODS OF INTERACTION

(51) International classification	:G06F3/01, G06F3/048	(71)Name of Applicant : <b>1)SR LABS S.r.l.</b> Address of Applicant :Via Cefalonia 70 I-25124 Brescia Italy
(31) Priority Document No	:FI2009A000198	(72)Name of Inventor : <b>1)INVERNIZZI Paolo</b>
(32) Priority Date	:11/09/2009	
(33) Name of priority country	:Italy	
(86) International Application No	:PCT/IB2010/002271	
Filing Date	:13/09/2010	
(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	

(57) Abstract :

The method and apparatus object of this invention refer to a system for using generic software applications by means of ocular control characterized by simple interaction techniques which minimize the cognitive effort of the user required to manipulate the software and which permit to overcome the problems resulting from the intrinsic problem of accuracy of eye-tracking systems. Indeed, such technique does not provide using the pointer of the mouse moved by means of the gaze to control the various software applications but to use a separate application which through the use of suitable interaction techniques is comfortable and does not involve an increased effort of concentration by the user. An attempt has indeed been made to simplify the process of interaction between the user and machine also by means of the use of visual feedback which allows the same operations of the mouse to be performed by the user without the typical user frustration due to the problems of accuracy of the eye-tracking device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3431/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : STEEL CONTINUOUS CASTING METHOD

(51) International classification	:B22D11/11	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-256707	<b>1)JFE STEEL CORPORATION</b>
(32) Priority Date	:10/11/2009	Address of Applicant :2-3, UCHISAIWAI-CHO- 2-
(33) Name of priority country	:Japan	CHOME, CHIYODA-KU, TOKYO 100-0011 Japan
(86) International Application No	:PCT/JP2010/054287	(72) <b>Name of Inventor :</b>
Filing Date	:09/03/2010	<b>1)MIKI, YUJI</b>
(87) International Publication No	:WO 2011/058770	<b>2)KISHIMOTO, YASUO</b>
	A1	<b>3)KAWANAMI, SHUNICHI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a steel continuous casting method using a continuous caster that includes a pair of upper magnetic poles and a pair of lower magnetic poles facing each other with a mold long-side portion there between and disposed on mold outer sides, and an immersion nozzle having a molten steel spout located between a peak position of a DC magnetic field of the upper magnetic poles and a peak position of a DC magnetic field of the lower magnetic poles, the method comprising braking a molten steel flow with DC magnetic fields respectively applied to the pair of upper magnetic poles and the pair of lower magnetic poles while stirring the molten steel with an AC magnetic field simultaneously applied to the pair of upper magnetic poles, the strength of an AC magnetic field applied to the upper magnetic poles and strengths of DC magnetic fields applied to the upper magnetic poles and the lower magnetic poles are controlled within a particular ranges in accordance with the width of a slab to be cast. According to this method, a high-quality slab having few bubble defects and flux defects is obtained.

No. of Pages : 201 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3432/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR SCHEDULING OF QUALITY OF SERVICE (QOS) TRANSMISSIONS IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L12/56  
(31) Priority Document No :12/610,146  
(32) Priority Date :30/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/054717  
Filing Date :29/10/2010  
(87) International Publication No :WO 2011/053784 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)QUALCOMM INCORPORATED**  
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(72)**Name of Inventor :**  
**1)FATIH ULUPINAR**  
**2)DONALD W. GILLIES**  
**3)YOUSONG MEI**  
**4)MAKSIM KRASNYANSKIY**

(57) Abstract :

Scheduling real-time Quality of Service (QoS) data flows in a large-scale wireless communications system uses credit allocation to active QoS flows based on quality-of-service weights, and the credits are measured in dimensionless units of air interface slot capacity. Scheduling addresses inactive QoS flows with no data pending for transmission that may accumulate up to a burst credits limit based upon a fair share of all credits that would be allocated in a 100% busy system. Intermittent flows such as echo requests or keyboard input can thereby get immediate service by using their burst credits. The flow with the highest credit accumulation is serviced first and may use up to a full time slot (or system quanta) of air interface time reducing header encapsulation overhead when payload sizes (and spectral efficiency) are low. Additive and multiplicative aspects age the negative credits back to zero whenever a flow overspends its credit allocation.

No. of Pages : 36 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3435/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HIGH SPEED FILTRATION DEVICE USING POROUS MEDIA AND BACKWASH METHOD THEREOF

(51) International classification	:B01D24/46, B01D24/22	(71)Name of Applicant : <b>1)MIRACLEWATER CO. LTD.</b>
(31) Priority Document No	:10-2009-0101662	Address of Applicant :1923 Suseo Hyundai Venture-vill
(32) Priority Date	:26/10/2009	713 Suseo-dong Gangnam-gu Seoul-135-539 Republic of
(33) Name of priority country	:Republic of Korea	Korea
(86) International Application No	:PCT/KR2010/007312	(72)Name of Inventor :
Filing Date	:25/10/2010	<b>1)CHOI Jin Nak</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a porous media-mediated high speed filtration device for easy backwash, wherein the inflow water to be filtered is guided to an upper portion of the high speed filtration device and is filtered by downflow and porous media are backwashed for maintaining optimum filter efficiency by blocking the flow of inflow water and water to be treated after sensing the level of the inflow water or the change in the flux of the water to be treated, supplying backwash water and/or air by upflow through a backwash equipment to separate pollutants in the porous media by the collision and friction between the porous media by flowing of the porous media through the stream of the backwash water, placing the porous media in a stationary location, and discharging the pollutants through a discharge pipe of the high speed filtration device before the pollutants settle. In addition, the present invention comprises a backwash method of the high speed filtration device using porous media.

No. of Pages : 27 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3216/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : REMOTE COMMUNICATION SYSTEM AND METHOD

(51) International classification :G09B5/14  
(31) Priority Document No :12/562,037  
(32) Priority Date :17/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/002326  
Filing Date :16/09/2010  
(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)NOKIA CORPORATION**  
Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo  
Finland  
(72)**Name of Inventor :**  
**1)Hayes Raffle**  
**2)Koichi Mori**  
**3)Mirjana Spasojevic**  
**4)Rafael Ballagas**  
**5)Hiroshi Horii**  
**6)Glenda Revelle**

(57) Abstract :

A method comprises determining a status of an object on a first device and sending an indicator of the status of the object to a remote device, the indicator being configured to allow the remote device to present the status of the object. The method may further comprise establishing audio and video communication with the remote device. The audio and video communication with the remote device may be established over a network. The object may be a book, and the status may be associated with a page number of the book. The method may further comprise displaying animated content based on the determined status of the object. The displaying of animated content may include displaying an animated character providing commentary or asking questions related to content associated with the object.

No. of Pages : 24 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3322/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM FOR ACQUIRING CHANNEL STATE INFORMATION

(51) International classification	:H04B7/04, H04L1/06	(71)Name of Applicant :
(31) Priority Document No	:201010125662.3	<b>1)ZTE CORPORATION</b>
(32) Priority Date	:12/02/2010	Address of Applicant :ZTE Plaza Keji Road South Hi-Tech
(33) Name of priority country	:China	Industrial Park Nanshan District Shenzhen City Guangdong
(86) International Application No	:PCT/CN2010/078341	Province 518057 P.R. China.
Filing Date	:02/11/2010	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)CHEN Yijian</b>
(61) Patent of Addition to Application	:NA	<b>2)XU Jun</b>
Number	:NA	<b>3)DAI Bo</b>
Filing Date	:NA	<b>4)LI Ruyue</b>
(62) Divisional to Application Number	:NA	<b>5)ZHANG Junfeng</b>
Filing Date	:NA	

(57) Abstract :

A method for acquiring channel state information is disclosed in the present invention, including: a user equipment (UE) reporting codebook index information and information about the total number of layers to a base station (eNB), wherein the codebook index information includes one of the following information: class 2 codebook index ; and class 1 codebook index i and index parameter j; and after receiving the codebook index information and information about the total number of layers sent by the UE, the base station obtaining a codeword in the manner of inquiring of a preset codebook list or in the manner of inquiring of the preset codebook list in conjunction with calculation according to the codebook index information and information about the total number of layers. A system for acquiring channel state information is also disclosed in the present invention. In the present invention, on one hand, the network side can be compatible to use the channel state information format of the release 8 (R8) to achieve the multi-antenna function of the R8; on the other hand, the network side significantly reduces quantization errors by way of a new codebook of RIO, thereby greatly enhancing the performance of the MU-MIMO system.

No. of Pages : 46 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3438/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : FIXING ELEMENT AND USE OF SUCH A FIXING ELEMENT FOR FIXING AN OBJECT PARTICULARLY APPENDAGES

(51) International classification	:A61F5/058
(31) Priority Document No	:01459/09
(32) Priority Date	:22/09/2009
(33) Name of priority country	:Switzerland
(86) International Application No	:PCT/EP2010/063144
Filing Date	:08/09/2010
(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)Chrisofix AG**  
Address of Applicant :Rheinfallstrasse 9 CH-8212  
Neuhausen Am Rheinfall- Switzerland  
(72)**Name of Inventor :**  
**1)BOLLA Kalman**

(57) Abstract :

The invention relates to a fixing element (33) extending as a falt particularly lamellar element along a preferred direction (34) and comprising a corrugated sheet metal core (18) as a central component and core providing the fixing element (33) with the characteristic of being integrally rigid and permanently deformable by hand and said core being covered by a cover (36 37). For such a fixing element a large range of use is achieved in that the corrugations of the corrugated core sheet (18) are oriented substantially parallel to the preferred direction (34) and that means (38 39) for relasably attaching the fixing element (33) are disposed on the fixing element (33).

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3439/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : FOLDABLE BUILDING UNITS

(51) International classification :E04B1/344  
(31) Priority Document No :61/245,162  
(32) Priority Date :23/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050041  
Filing Date :23/09/2010  
(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)Blu Homes Inc.**

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Massachusetts-02451 U.S.A.

(72)Name of Inventor :

**1)MICHAUD Dennis R.**

(57) Abstract :

IPrefabricated foldable building units are described that have one or more of the following advantages. They are more easily prefabricated more easily transported to building sites without requiring special peensits unloadable and uesfoldable at the building sites without using cranes (they can be unloaded using ground-level lifting figs and unfolded using for example a cable nsechanismn). allow precise and fast completion at The building site and allow significant reduction in the scope of work to be completed on-site where costs and scheduling are far less manageable. Further methods for unloading and unfolding foldable building units are described that obviate The need for one or more cranes that can be expensive and project-complicating thereby opening saps significant percentage of building sites for placement of prefabricated foldable building units.

No. of Pages : 61 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3328/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN ELECTRICAL POWER CONVERSION SYSTEM AND METHOD

(51) International classification	:H02J3/36, H02K47/02
(31) Priority Document No	:09171707.4
(32) Priority Date	:29/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/064449
Filing Date	:29/09/2010
(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

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Dublin 2 Ireland

(72)**Name of Inventor :**

**1)SPOONER Edward**

**2)TAAFFE David**

(57) Abstract :

A system and method for electrical power conversion is described. The system is intended for use in converting a high voltage DC power output from a turbine generator to an AC power signal that is suitable for connecting to an AC power grid. The system utilises a mechanical coupling between a synchronous motor driving a synchronous generator in order to provide isolation as well as allowing for control of the real power output by the system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3329/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ACTIVE MULTI-PATH NETWORK REDUNDANCY WITH PERFORMANCE MONITORING

(51) International classification :H04L12/28

(31) Priority Document No :61/245,170

(32) Priority Date :23/09/2009

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

(86) International Application No :PCT/US2010/050051

Filing Date :23/09/2010

(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)AEROVIRONMENT INC.**

Address of Applicant :181 West Huntington Drive Suite  
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(72)Name of Inventor :

**1)Rolland Mitchell KOCH**

**2)William Stuart SECHRIST**

**3)Daniel Bailey HIRANANDANI**

(57) Abstract :

A receiving network node (210) configured to select from received packets differing by time of initial transmission from a sending network node (230) and accepting for transmission based on initial transmission time the selected packets to an application layer (740). An internetworked processor node configured to: (a) read a sequence number and an originator identifier of a received packet message (810); (b) compare a stored highest sequence number associated with the originator identifier with the received packet sequence number (820); (c) if the received packet sequence number is less than or equal to the stored highest sequence number associated with the originator identifier then discard (840) the received packet; and (d) if the received packet sequence number is greater than the stored highest sequence number associated with the originator identifier then deliver (860) the message of the received packet to an application based on an upper layer protocol.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3450/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SUBSTRATES COMPRISING SWITCHABLE FERROMAGNETIC NANOPARTICLES

(51) International classification	:H01F1/01, A61K41/00
(31) Priority Document No	:09170811.5
(32) Priority Date	:21/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/063733
Filing Date	:17/04/2012
(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)BASF SE**

Address of Applicant :67056 Ludwigshafen Germany

(72)**Name of Inventor :**

**1)BRUECK Ekkehard**

(57) Abstract :

In a process for producing organic substrate particles bonded to switchable ferromagnetic nanoparticles with a mean particle diameter in the range from 10 to 1000 nm the ferromagnetic nanoparticles used are those nanoparticles which are nonferromagnetic at first but become ferromagnetic when the temperature is lowered these at first nonferromagnetic nanoparticles in dispersed form are bonded to the organic substance particles and then the nanoparticles bonded to the substrate particles are made ferromagnetic as a result of the temperature being lowered.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3451/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ROLL FORMER WITH THREE-DIMENSIONAL SWEEP UNIT AND METHOD

(51) International classification :B21D7/08,  
B21D5/04  
(31) Priority Document No :61/244,253  
(32) Priority Date :21/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047980  
Filing Date :09/07/2010  
(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)SHAPE CORP.**  
Address of Applicant :1900 Hayes Street Grand Haven  
Michigan 49417 U.S.A.  
(72)**Name of Inventor :**  
**1)HEINZ Richard D.**  
**2)GOULD Bryan E.**

(57) Abstract :

An apparatus and method include a roll former with rolls configured to form a structural beam from sheet material and a sweep unit for longitudinally sweeping a beam in any of vertical horizontal or combination directions The sweep unit has a first pair of forming rolls positioned to engage first opposing sides of the structural beam and has a second pair of forming rolls positioned to engage second opposing sides of the structural beam. The sweep unit movably supports the first and second pairs of forming rolls so that any selected one of the forming rolls continuously engages an associated side of the structural beam while an associated one of the forming rolls opposing the selected one forming roll moves downstream and around the selected one forming roll. This provides a very stable beam-bending condition promoting dimensional stability during the sweeping process and hence dimensional accuracy and repeatability.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3452/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SUPERCONDUCTOR RF COIL ARRAY

(51) International classification :G01R33/3415

(31) Priority Document No :61/244,132

(32) Priority Date :21/09/2009

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

(86) International Application No :PCT/US2010/049719

Filing Date :17/04/2012

(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 :

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(72)Name of Inventor :

**1)MA Qiyuan**

**2)GAO Erzhen**

(57) Abstract :

A superconducting RF coil array which may be used in whole body MRI scanners and/or in dedicated MRI systems. Some embodiments provide a superconducting RF coil array for at least one of receiving signals from and transmitting signals to a sample during magnetic resonance analysis of the sample, the superconducting RF coil array comprising a thermally conductive member configured to be cryogenically cooled, and a plurality of coils elements comprising superconducting material, wherein each coil element is thermally coupled to the thermally conductive member and is configured for at least one of (i) receiving a magnetic resonance signal from a spatial region that is contiguous with and/or overlaps a spatial region from which at least one other of the plurality of coil elements is configured to receive a signal and (ii) transmitting a radio frequency signal to a spatial region that is contiguous with and/or overlaps a spatial region to which at least one other of the plurality coil elements is configured to transmit a radio frequency signal.

No. of Pages : 38 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3314/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : USE OF THE COMBINATION OF TERIFLUNOMIDE AND GLATIRAMER ACETATE FOR TREATING MULTIPLE SCLEROSIS

(51) International classification :A61P25/00,  
A61K31/277  
(31) Priority Document No :09305999.6  
(32) Priority Date :22/10/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/US2010/052423  
Filing Date :13/10/2010  
(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)BYRNES William**  
**2)DOUILLET Patrice**  
**3)FRANGIN Gerald**

(57) Abstract :

This invention is related to the use of the combination of teriflunomide or a pharmaceutically acceptable salt thereof and glatiramer acetate for treating multiple sclerosis.

No. of Pages : 34 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3318/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD OF ASSEMBLING FUSE END CAP

(51) International classification :H01H85/157,  
H01H69/02  
(31) Priority Document No :0917808.8  
(32) Priority Date :12/10/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/051710  
Filing Date :12/10/2010  
(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)COOPER TECHNOLOGIES COMPANY**  
Address of Applicant :600 Travis Street Suite 5600  
Houston Texas-77002 U.S.A.  
(72)**Name of Inventor :**  
**1)BRUCE Dean**

(57) Abstract :

A method of assembling an electrical fuse as described, in which a fuse body (1) is provided, an end cap (21) is provided on an end of a fuse body such that a cavity (15) is created between the fuse body and the end cap, the fuse end cap has at least one opening located over the cavity and an adhesive material (13) is provided through the opening in the end cap into the cavity to adhere the end cap to the fuse. Alternative forms of the cavity into which the adhesive is provided are described. An electrical fuse assembly is also described, comprising a fuse body having an outer surface, and a fuse end cap, comprising an end wall section, a side wall section extending from the end wall section, at least one opening through the side wall section, located over a cavity between the fuse body and the end cap. A fuse end cap is also described, comprising an end wall section, a side wall section extending from the end wall section, and at least one opening through the side wall section.

No. of Pages : 26 No. of Claims : 33



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3443/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR GENERATING A NEGATIVE PRESSURE IN A COKE OVEN CHAMBER DURING THE DISCHARGING AND CHARGING PROCESSES

(51) International classification	:C10B27/04, C10B33/00
(31) Priority Document No	:102009052502.5
(32) Priority Date	:11/11/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/006603
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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Address of Applicant :Friedrich-Uhde-Strasse 15 44141  
Dortmund Germany  
(72)**Name of Inventor :**  
**1)KIM Ronald**  
**2)WORBERG Rainer**

(57) Abstract :

The invention relates to a method for aspiration of flue gases from a coke oven chamber, with the flue gases evolving during pushing and charging of the coke cake from the coke oven chamber being aspirated by a vacuum generated in the oven free space above the coke cake, and wherein this vacuum in the oven free space above the coke oven chamber is generated via channels through the side walls of the coke oven chamber or in the coke cake, said vacuum being generated according to an advantageous embodiment in the secondary heating space which in turn can for example be aspirated from a vacuum receiver tank which for the period of opening the coke oven chamber doors is connected to the secondary heating space by opening the shutoff devices in the connecting line. By way of the inventive method, the non-desired emission of flue gases into the atmosphere is avoided. The invention also relates to a device by way of which this method is implemented.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3444/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND DEVICE FOR THE SUCCESSIVE PRODUCTION OF COAL BRIQUETTES COMPATIBLE WITH A COKE CHAMBER

(51) International classification	:C10B31/10	(71)Name of Applicant :
(31) Priority Document No	:10 2009 052 901.2	<b>1)ThyssenKrupp Uhde GmbH</b>
(32) Priority Date	:13/11/2009	Address of Applicant :Friedrich-Uhde-Strasse 15 44141
(33) Name of priority country	:Germany	Dortmund Germany
(86) International Application No	:PCT/EP2010/006634	(72)Name of Inventor :
Filing Date	:30/10/2010	<b>1)SCHCKER Franz-Josef</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 :

Method for horizontally successive production of coal pressing blocks suitable for coke oven chambers, this method pouring the coal from a coal feeder facility into a press mould comprised of a plate with two walls closing in parallel and being stationary to the direction of movement of the plate and comprised of an arrest wall mounted thereon and arranged transversely to the direction of movement of the plate so that the press mould is permeable to coal only in one horizontal direction, and wherein the coal-permeable side of the press mould is closed by a stationary wail, and wherein the plate is braked or arrested in horizontal direction for the pressing cycle, with the coal being compacted by a stamping device pressed by a facility with a vertically acting load onto the coal in the press mould, so that a coal pressing block is obtained, and wherein the plate is moved upon completion of a coal pressing block in longitudinal direction of the press mould so that the space exposed in horizontal direction in the press mould is utilized for the production of the next coal pressing block. The invention also relates to a device by way of which this method is implemented.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3445/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MONITORING A SUPPORTING AND PROPULSION MEANS OF AN ELEVATOR SYSTEM

(51) International classification	:B66B7/12, G01N27/00
(31) Priority Document No	:09180234.8
(32) Priority Date	:21/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/069409
Filing Date	:10/12/2010
(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 :**

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6052 Hergiswil Switzerland

(72)**Name of Inventor :**

**1)BERNER Oliver**

**2)ANNEN Mirco**

(57) Abstract :

The invention relates to a monitoring device (200) for a suspension-and-traction means (3) of an elevator system (100). The suspension-and-traction means (3) contains at least one electrically conductive cord (21), and the monitoring device contains a measurement apparatus (25) to determine a resulting resistance. The measurement apparatus (25) is connected to the suspension-and-traction means (3) with contacting elements (20), a first contacting element for contacting a first end of the suspension-and-traction means (3), and a second contacting element for contacting a second end of the suspension-and-traction means (3), being provided. In one embodiment, damage to the suspension-and-traction means (3) is detected by a contact point (P), which can register protruding conductive parts of the suspension-and-traction means (3) and, in a further augmentary or alternative embodiment, the first and the second contacting elements (20), each contain a plurality of mutually differing resistance elements (R), so that, by means of two associated resistance elements (R), each cord (21) of the suspension-and-traction means (3) is connected to the monitoring device.

No. of Pages : 25 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3446/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : 2-FLUORO SUBSTITUTED CARBA-NUCLEOSIDE ANALOGS FOR ANTIVIRAL TREATMENT

(51) International classification	:C07D487/04	(71)Name of Applicant :
(31) Priority Document No	:61/244,297	<b>1)GILEAD SCIENCES INC</b>
(32) Priority Date	:21/09/2009	Address of Applicant :333 Lakside Drive Foster City
(33) Name of priority country	:U.S.A.	California-94404 U.S.A.
(86) International Application No	:PCT/US2010/049471	(72)Name of Inventor :
Filing Date	:20/09/2010	<b>1)CHO Aesop</b>
(87) International Publication No	: NA	<b>2)KIM Choung U.</b>
(61) Patent of Addition to Application Number	:NA	<b>3)METOBO Samuel E.</b>
Filing Date	:NA	<b>4)RAY Adrian S</b>
(62) Divisional to Application Number	:NA	<b>5)XU Jie</b>
Filing Date	:NA	

(57) Abstract :

Provided are pyrrolo[1 2-f][1 2 4]triazinyl imidazo[1 5-f][1 2 4]triazinyl imidazo[1 2-f][1 2 4]triazinyl and [1 2 4]triazolo[4 3-f][1 2 4]triazinyl nucleosides nucleoside phosphates and prodrugs thereof wherein the 2<sup>TM</sup> position of the nucleoside sugar is substituted with halogen and carbon substituents. The compounds compositions and methods provided are useful for the treatment of Flaviviridae virus infections particularly hepatitis C infections caused by both wild type and mutant strains of HCV.

No. of Pages : 166 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3447/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM AND METHOD FOR MONITORING SINGLE-BOARD START

(51) International classification :G06F11/30,  
H04W88/08  
(31) Priority Document No :200910190647.4  
(32) Priority Date :28/09/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/073796  
Filing Date :11/06/2010  
(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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Province 518057 P.R. China.  
(72)**Name of Inventor :**  
**1)Li Qian**  
**2)Li Jian**

(57) Abstract :

A system for monitoring a single-board start comprises: a single board (10) and a main control board (20) based on uTCA architecture wherein the single board (10) comprises a CPU (11) and a module management controller (12) wherein the CPU (11) monitors the single board (10) and reports the monitored data information to the module management controller (12); the module management controller (12) sends the data information monitored by the CPU (11) to the main control board (20); the system for monitoring a single-board start further comprises: a logic monitor unit (13) for monitoring the single board (10) and storing the monitored data information before the CPU (11) reports the data information wherein the logic monitor unit (13) comprises a logic chip (131) and a memory chip (132). A method for monitoring a single-board start is also provided.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3448/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM AND METHOD FOR BATTERY CELL BALANCING

(51) International classification :H02J7/00  
(31) Priority Document No :12/562,783  
(32) Priority Date :18/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047496  
Filing Date :01/09/2010  
(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)AMERICAN POWER CONVERSION  
CORPORATION**  
Address of Applicant :132 Fairgrounds Road West  
Kingston RI 02892 United States of America  
(72)**Name of Inventor :**  
**1)ZHU Dao-Yi**

(57) Abstract :

Without battery cell balancing voltages of multiple series-connected battery cells may quickly become out of balance which causes some cells of the battery to deteriorate faster than others and reduces the life cycle of the battery. Embodiments of the present invention address this problem by providing a system for balanced charging of multiple series-connected battery cells. The system includes resistors that are selectably and electrically coupled in parallel with respective battery cells via activation and deactivation of respective switches. The system also includes a control unit that is configured to determine a battery cell having a lowest voltage among the battery cells and to activate and deactivate the switches as a function of differences in voltages between the voltage of the lowest battery cell and voltages of each of the other battery cells thus providing balanced charging of the multiple series-connected battery cells.

No. of Pages : 27 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3455/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : LIGHTING DEVICE

(51) International classification	:F21S8/00, G02B6/00
(31) Priority Document No	:09174986.1
(32) Priority Date	:04/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/054892
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

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(72)**Name of Inventor :**  
**1)VERBRUGH Stefan Marcus**  
**2)KURT Ralph**

(57) Abstract :

A lighting device comprising a plurality of light emitting elements (1) and a beam shaping optics (7) having an entrance aperture (6). Each light emitting element is optically connected to a set of optical fibers (5) each having a first end optically connected to the light emitting element and a second end optically connected to the entrance aperture (6) so as to guide collimated light from the light emitting element to the beam shaping optics (7). The light emitting elements are distributed over an area larger than the entrance aperture (6).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3456/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ELECTRICAL MUSCLE STIMULATION

(51) International classification	:A61N1/36, A61B5/0488
(31) Priority Document No	:09175147.9
(32) Priority Date	:05/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/054901
Filing Date	:29/10/2010
(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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(72)**Name of Inventor :**  
**1)KOLEN Alexander F.**  
**2)PUSZKA Agathe**

(57) Abstract :

The invention relates to a method and an apparatus for electrical stimulation of muscle tissue. Electrodes (12) of an electrode array (13) are activated in accordance with a sequence of activation patterns, each pattern defining a subset of the electrodes (12) to be activated, each subset consisting of at least one electrode (12), by providing an electrical muscle stimulation signal to the muscle tissue via the subset of electrodes (12). Alternately with said activating of electrodes (12), a response signal associated with the respective activation pattern is received from a sensor (30; 12). Optionally, at least one electrode (12) is then selected for stimulation, corresponding to a location determined as being suitable for stimulation, and the muscle tissue is stimulated. The process may be repeated in order to track the location suitable for stimulation in a dynamic situation. Optionally, the orientation of body part is estimated from the measured response signals.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3457/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DEVICE FOR POSITIONING ELECTRODES ON USER<sup>TM</sup>S SCALP

(51) International classification	:A61B5/0408, A61B5/0476
(31) Priority Document No	:09175008.3
(32) Priority Date	:04/11/2009
(33) Name of priority country	: PO
(86) International Application No	:PCT/IB2 10/054943
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 :**  
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(72)**Name of Inventor :**  
**1)ASJES Ronald Jan**  
**2)JAEGER Mark Christoph**  
**3)ASVADI Sima**

(57) Abstract :

A device (1) is described for positioning electrodes on a user<sup>TM</sup>s scalp. It comprises a housing (3) for example a headpiece of a headphones device which can be put around a user<sup>TM</sup>s head. An elastic element (11) and a plurality of electrodes are positioned so that once the housing (3) is put around the user<sup>TM</sup>s head the elastic element (11) at least partly follows the curvature of the user<sup>TM</sup>s head. The stress in the elastic element (11) due to stretching thereof caused by putting the housing around the user<sup>TM</sup>s head causes the elastic element (11) to exert pressure on at least some of the plurality of electrodes towards the scalp. Hereby effective contact of the plurality of electrodes to the scalp is facilitated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3458/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MR IMAGING USING NAVIGATORS

(51) International classification :G01R33/483,  
G01N24/08  
(31) Priority Document No :09175131.3  
(32) Priority Date :05/11/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/IB2010/054842  
Filing Date :26/10/2010  
(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)BECK Gabriele Marianne**

(57) Abstract :

The invention relates to a method of magnetic resonance (MR) imaging of at least a portion of a body (10) placed in a stationary and substantially homogeneous main magnetic field. The method comprises the following steps: - exciting nuclear magnetization selectively within a spatially restricted volume of interest (20) by subjecting the portion to an imaging sequence (IMG) comprising at least one RF pulse ( ) and switched magnetic field gradients (GX/GY); - acquiring at least one MR imaging signal from the volume of interest (20); - exciting nuclear magnetization within a spatially restricted navigator volume (21) by subjecting said portion to a navigator sequence (NAV) comprising at least one RF pulse and switched magnetic field gradients, wherein the navigator volume (21) at least partially overlaps with the volume of interest (20); - acquiring at least one MR navigator signal from said navigator volume (21); - reconstructing a MR image from the acquired MR imaging signals. It is an object of the invention to enable MR imaging with reliable motion detection and high image quality. For this purpose, the invention proposes that the nuclear magnetization within the volume of interest (20) is transformed back into longitudinal magnetization prior to application of the navigator sequence (NAV) by subjecting said portion to an unlabeled sequence (UNLBL) comprising at least one RF pulse ( - ).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3460/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : QUANTIFICATION RESULTS IN MULTIPLANE IMAGING

(51) International classification :A61B8/14

(31) Priority Document No :61/258626

(32) Priority Date :06/11/2009

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

(86) International Application No :PCT/IB2010/054979

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 :

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(72)Name of Inventor :

**1)GAUTHIER Thomas P. J. A**

**2)HARRISON Gerard Joseph**

(57) Abstract :

The present invention relates to ultrasound medical imaging for providing information about a region of interest of an object. In particular, the invention relates to an ultrasound medical imaging system and a method for providing information about a region of interest of an object. In order to improve the quantification information provided to the user, a method for providing information about a region of interest of an object is provided, which method comprises the following steps: In a first acquisition step 112, at least a first 114 and a second ultrasound image plane 116 of an object 12 are acquired. Further, a region of interest in the at least first and second image planes of the object is determined 118. Then, first quantification 122 data for the region of interest from the first image plane and second quantification data 124 for the region of interest from the second image plane are determined 120. Next, a composite quantification measurement 128 is generated 126 by combining the determined first quantification data of the first image plane and the determined second quantification data of the second image plane. Further, the composite quantification measurement is provided 130 to the user.

No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3461/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : LIGHTING DEVICE

(51) International classification :H05B37/02

(31) Priority Document No :09175215.4

(32) Priority Date :06/11/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/IB2010/054909

Filing Date :29/10/2010

(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)RADERMACHER Harald Josef Gunther**

(57) Abstract :

Information technology is becoming more and more present in illumination applications such as lighting devices. To limit the installation effort and cost of such illumination applications lighting devices compliant with the Power over Ethernet can be used. There is provided a lighting device which is powered via Power over Ethernet and where the driver of the lighting device is directly compatible with the Power over Ethernet standard. With such an internal Power over Ethernet driver the power delivered to the light source of the lighting device can be influence gradually thereby allowing the light source to operate at a different power level instead of shutting the light source down completely.

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3462/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : FEEDBACK CIRCUIT FOR ZERO-VOLTAGE-SWITCHING CONVERTER

(51) International classification	:H02M3/337, H02M3/338
(31) Priority Document No	:09175211.3
(32) Priority Date	:06/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/054911
Filing Date	:29/10/2010
(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)ELFERICH Reinhold**

(57) Abstract :

A feedback circuit for a zero-voltage-switching converter (1) for feeding a load circuit (2, 3), which converter (1) comprises a chopper (4), a driver (5) and a resonant tank (6), is provided with an arrangement (10) for receiving a first signal derived from a resonant tank signal and a second signal derived from a load circuit signal and for generating in response thereto a control signal for the driver (5). Such converters (1) can stand feeding voltage fluctuations and load variations relatively well. The arrangement (10) may comprise an error circuit (12) for, in response to the second signal and a reference signal, generating an error signal, and a combiner circuit (13) for, in response to the first signal and the error signal, generating the control signal. The same converter (1) may be used for supplying two or more load circuits (2, 3), in which case an error circuit (15) may generate an error signal and a duty cycle signal or two error signals.

No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3463/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ELECTRICAL CIRCUIT WITH SURGE PROTECTION MONITORING

(51) International classification :H02H9/04  
(31) Priority Document No :0919699.9  
(32) Priority Date :11/11/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/002083  
Filing Date :11/11/2010  
(87) International Publication No :WO 2011/058318 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)KITCHENER, RENATO**  
**2)ROGOLL, GUNTHER**

(57) Abstract :

An electrical circuit comprising a power supply, a load and a surge protection device adapted to protect said load and/or power supply from electrical fast transient events according to the requirements of EC 61000-4-2 or 4 and which comprises a stress threshold, in which the electrical circuit further comprises a monitoring device adapted to monitor the current in said surge protection device and detect the breaching of said threshold by electrical fast transient events.

No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.207/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AUTOMATIC DEVICE FOR PRESSURE RELIEF ON AUTOMOBILE WHEELS

(51) International classification

:B60C

(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)S. SRIRAM**

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THIYAGARAJA NAGAR, TIRUNELVELI - 627 011 Tamil  
Nadu India

(72)Name of Inventor :

**1)S. SRIRAM**

(57) Abstract :

A pressure relief valve for a tyre in which a valve body has first and second chambers separated by a restricted passageway of reduced dimensions. The valve body has an inlet connected to the first chamber, and an outlet connected to the second chamber, and can be mounted in a suitable opening in the tyre rim with the outlet exposed to the pressure within the tyre and the outlet exposed to the atmosphere outside the tyre. A valve member is normally located in the first chamber and it is seated against the seat at the entrance to the restricted passageway by air pressure within the tyre acting on it via the inlet, sealing the outlet. Either the valve member or the walls of the passage way or both are made of deformable elastomeric material, so that when the air pressure raise above the predetermined safety level the ball is forced through the passageway in to the second chamber in to a position in which air can flow past the ball and out through the outlet, reducing the internal pressure in the tyre.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.287/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HARDMETAL ROLL CLAMPING SYSTEM ONTO THE SHAFT AND THE METHOD THEREOF•

(51) International classification	:B25B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)KENNAMETAL INDIA LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :8/9th Mile Tumkur Road Bangalore-
(33) Name of priority country	:NA	560073 Karnataka India Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
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(87) International Publication No	:	<b>2)Raghu Kuppalli Venkataramu</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Suresh Kamath Purushottam</b>
Filing Date	:NA	<b>4)Sanjay Kumar</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A clamping device for securing Hardmetal rolls onto a shaft comprising one or more clamping nuts having threads on the inner circumference which are mounted around the pressure ring having threads on the outer circumference by threading means pair of split clamps having wedge provided on the inner circumference of the split clamps and is accommodated in a groove provided on the shaft fixed to the pressure ring and acts as the bearing member of the mechanism to sustain the axial load applied by the screws. Plurality of screws passing through plurality of threaded holes provided on front face of the split clamps to prevent rotation of the Hardmetal rolls. Plurality of Locating pins are passed through the through holes provided at the mating face of the wedge of the split clamps to restrict radial movement of the split clamps and are used to fix the split clamps.

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



(54) Title of the invention : NEGATIVE ELECTRODE MATERIAL FOR BATTERY NEGATIVE ELECTRODE PRECURSOR MATERIAL FOR BATTERY AND BATTERY

(51) International classification	:H01M10/39, H01M4/02	(71)Name of Applicant :
(31) Priority Document No	:2010-056352	<b>1)SUMITOMO ELECTRIC INDUSTRIES LTD.</b>
(32) Priority Date	:12/03/2010	Address of Applicant :5-33 Kitahama 4-chome Chuo-ku
(33) Name of priority country	:Japan	Osaka-shi Osaka 541-0041 Japan
(86) International Application No	:PCT/JP2011/054611	(72)Name of Inventor :
Filing Date	:01/03/2011	<b>1)MAJIMA Masatoshi</b>
(87) International Publication No	: NA	<b>2)INAZAWA Shinji</b>
(61) Patent of Addition to Application		<b>3)SAKAI Shoichiro</b>
Number	:NA	<b>4)NITTA Koji</b>
Filing Date	:NA	<b>5)FUKUNAGA Atsushi</b>
(62) Divisional to Application Number	:NA	<b>6)HIRAIWA Chihiro</b>
Filing Date	:NA	

(57) Abstract :

In a molten salt battery 1, a positive electrode 2 including an active material film 22 arranged on an Al collector 21, a separator 3 formed of a glass cloth impregnated with a molten salt serving as an electrolyte, and a negative electrode 4 including an active material film 43 and a Zn film 42 arranged on an Al collector 41 are accommodated in an Al case 5 having a substantially rectangular parallelepiped shape. The active material film 43 contains an active material composed of a Sn-Na alloy. The active material film 22 and the active material film 43 occlude and emit Na ions of the molten salt. Thereby, provided are a negative electrode material for a battery, the negative electrode material having higher hardness on a surface side (active material side) than a Na negative electrode during the operation of the battery, suppressing the formation of Na dendrites, and having a higher capacity; a negative electrode precursor material for the battery; and a battery including a negative electrode composed of the negative electrode material for a battery.

No. of Pages : 32 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3474/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR ERROR DETECTION IN A COMMUNICATION SYSTEM

(51) International classification :H04L1/16  
(31) Priority Document No :12/612,674  
(32) Priority Date :04/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055391  
Filing Date :04/11/2010  
(87) International Publication No :WO 2011/056932 A2  
(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)ADRIAAN J. DE LIND VAN WIJNGAARDEN**

**2)ANDREAS BERNHARD ZOTTMANN**

(57) Abstract :

A method processes a data packet in a first sequence of disjoint original segments of the same length. The method includes modifying a first of the original segments of the first sequence by modifying one or more symbols therein. A start of the data packet is located in the first of the original segments and is positioned after a first digital data symbol therein. The method also includes modifying a last of the original segments of the first sequence by modifying one or more digital data symbols therein. An end of the data packet is located in the last of the original segments and is located before the last digital data symbol therein. The method also includes determining a remainder sequence by effectively performing a polynomial division on a second sequence of disjoint segments that are derived from the first sequence. Each segment of the second sequence corresponds to and is derived from one of the original segments of the first sequence. The segments of the second sequence have the length of the original segments of the first sequence. A first of the derived segments of the second sequence is the modified first of the original segments. A last of the derived segments of the second sequence is derived from the modified last of the original segments.

No. of Pages : 55 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3467/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PROJECTING BULK PRODUCT•

(51) International classification	:G06K19/06, G01N21/00
(31) Priority Document No	:2009904812
(32) Priority Date	:02/10/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/001280
Filing Date	:29/09/2010
(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 :**  
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Address of Applicant :4 Concord Crescent Carrum Downs  
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(72)**Name of Inventor :**  
**1)SWIEGERS Gerhard Frederick**  
**2)MULCAHY Neil**  
**3)LAMINSKI Sandra**  
**4)KRAFT John**

(57) Abstract :

Methods and systems for identifying a batch of bulk product comprising particles are disclosed. One such method comprises the steps of: identifying at least one particle in the batch of bulk product that comprises data for identifying the quantity of bulk product (510); verifying that the data is representative of the batch of bulk product by detecting presence of a first marker applied to the at least one particle and one or more other particles in the quantity of bulk product that do not comprise the data (520); and retrieving the data from the at least one particle and processing the data to identify the quantity of bulk product (530).

No. of Pages : 28 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3468/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : COMMUNICATING METHOD AND SYSTEM UNDER HIGH SPEED MOVEMENT SCENE

(51) International classification :H04W36/32  
(31) Priority Document No :200910093425.0  
(32) Priority Date :21/09/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/077030  
Filing Date :17/09/2010  
(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)ZTE CORPORATION**  
Address of Applicant :ZTE Plaza Keji Road South Hi-Tech  
Industrial Park Nanshan District Shenzhen Guangdong  
518057 China.  
(72)**Name of Inventor :**  
**1)Liangbin LI**

(57) Abstract :

The present invention discloses a communication method under a high speed movement scene, which includes: a mobile terminal accessing a current logical macro cell, confirming a movement state attribute value (101) of the mobile terminal; confirming a sector state attribute value (102) of the current logical macro cell; and executing a corresponding communication policy (103) according to the movement state attribute value of the current mobile terminal and the sector state attribute value of the current logical macro cell. The present invention also discloses a communication system under the high speed movement scene. Based on the method and system, the problems that radio resources available for high speed movement users become less and the experience of the user declines caused by more non high speed movement users in the logical macro cell can be solved.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3469/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM FOR ALLOCATING DELIVERY REPORTS

(51) International classification :H04W8/00  
(31) Priority Document No :200910236436.X  
(32) Priority Date :21/10/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071511  
Filing Date :01/04/2010  
(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)ZTE CORPORATION**

Address of Applicant :ZTE Plaza Keji Road South Hi-Tech  
Industrial Park Nanshan District Shenzhen Guangdong  
518057 China.

(72)Name of Inventor :

**1)Shijun ZHOU**

(57) Abstract :

A method and a system for allocating delivery reports are disclosed in the present invention. A Service Provider (SP) sets a message identifier MSGID1 in a multimedia message and submits the multimedia message containing the MSGID1 and destination numbers to a server in a multimedia messaging service gateway (MMSG), the server sets a message identifier MSGID2 in the multimedia message, and forwards the multimedia message containing the MSGID2 and the destination number to a multimedia messaging service center (MMSC); the MMSG parses the corresponding server generating the MSGID2 according to the MSGID2 in the delivery report returned by the MMSC, and forwards the delivery report to the server creating the MSGID2. By adopting the method and system of the present invention, it ensures that the delivery reports returned by the MMSC are evenly allocated to the servers in the MMSG, the load balancing of the servers can be realized, and the scalability of the system is improved, which makes the capacity expansion and the upgrading of the existing network much easier.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3470/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHODS AND DEVICES FOR TREATING HEART FAILURE

(51) International classification	:A61M1/10, A61M1/12
(31) Priority Document No	:61/258,122
(32) Priority Date	:04/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055460
Filing Date	:04/11/2010
(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)WAMPLER Richard**

Address of Applicant :5360 Barton Road Loomis CA  
95650 U.S.A.

(72)**Name of Inventor :**

**1)WAMPLER Richard**

(57) Abstract :

Systems and methods for delivering a miniaturized blood pump configured to draw partially desaturated blood via the femoral vein from the inferior or superior vena cava. A cannula connected to the pump exits the femoral vein and is connected to the femoral artery with a cannula or vascular graft. The pump receives power from a percutaneous lead which runs parallel to the flexible cannula and then exits via a percutaneous opening in the skin. The pump in the venous system removes venous blood and pumps it into the femoral artery. In so doing pressure in the aorta is increased and back pressure in the venous system is decreased.

No. of Pages : 32 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.271/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN ONBOARD DEVICE FOR SUPPLYING OXYGEN TO AN INTERNAL COMBUSTION ENGINE

(51) International classification	:C25B	(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)ROHIT CHAKRAVARTHY</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a device (10) for supplying oxygen to an internal combustion engine (12). The device (10) comprises a first tank (14) for storing water. The device includes a heat exchange means (16) adapted to transfer heat from the engine exhaust gases to the water from said tank (14) to convert the water into superheated steam which undergoes high temperature electrolysis to generate oxygen. The device (10) is controlled by an electronic control unit (22) for controlling the rate at which oxygen is generated and supplied.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3481/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHODS AND SYSTEMS FOR REGISTRATIONS AND SERVICE ANNOUNCEMENTS IN PEER-TO-PEER NETWORKS VIA CELLULAR OVERLAYS

(51) International classification :H04W48/16

(31) Priority Document No :12/575,463

(32) Priority Date :07/10/2009

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

(86) International Application No :PCT/US2010/051716

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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Address of Applicant :Attn: International IP Administration  
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U.S.A.

(72)Name of Inventor :

**1)MICHAELIS Oliver**

**2)WALTON J. Rodney**

**3)KETCHUM John W.**

(57) Abstract :

Certain embodiments of the present disclosure relate to a method and an apparatus for registration and service announcements in peer-to-peer wireless networks to increase capacity of such networks. The present disclosure proposes a hybrid registration mechanism allowing a peer-to-peer node to leverage an administrative architecture of a neighboring cellular system.

No. of Pages : 29 No. of Claims : 40



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3483/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : COMBINATORIAL PORTFOLIO AGGREGATIONS IN ELECTRONIC TRADE

(51) International classification :G06Q30/00

(31) Priority Document No :12/589295

(32) Priority Date :21/10/2009

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

(86) International Application No :PCT/IB2010/054737

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)DANNY Chan**

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(72)Name of Inventor :

**1)DANNY Chan**

(57) Abstract :

A method for combinatorial portfolio aggregations in electronic trade transactions, in one example embodiment, comprises receiving data associated with an offer for possession of at least one part of an item for a period of time, receiving further data associated with at least one further offer for possession of the at least one part of the item for at least one further period of time, with the time period and the at least one further period of time being non-concurrent, selectively aggregating the offer with the at least one further offer into a portfolio offer for the at least one part of the item, and based on predetermined criteria, determining that the portfolio offer is a winning portfolio offer. The method can further comprise matching the offer to the item based on the data associated with the offer for possession, the item properties, and the item transfer criteria, and selectively aggregating the offer with the at least one further offer into a portfolio offer for the at least one part of the item. The method can further comprise determining whether an escrow amount is required and based on the determination, require a payment of an escrow in order to take possession of the item. The method can further comprise receiving data associated with an offer for possession of at least one part of an item for a period of time, wherein the possession is for demonstration purposes.

No. of Pages : 53 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3484/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : STRUCTURE AND METHOD FOR MANUFACTURING THE SAME

(51) International classification	:H05K3/46, H05K1/02
(31) Priority Document No	:2009-222549
(32) Priority Date	:28/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066844
Filing Date	:28/09/2010
(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 :**

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(72)**Name of Inventor :**

**1)HAYASHI Katsura**

(57) Abstract :

A circuit board (3) includes an inorganic insulating layer (11a) having first inorganic insulating particles (13a) connected to each other and second inorganic insulating particles (13b) connected to each other via the first inorganic insulating particles (13a) and having a larger particle diameter than that of the first inorganic insulating particles (13a).

No. of Pages : 113 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3486/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DEVICE AND METHOD FOR MANAGING ACCESS RIGHTS TO A WIRELESS NETWORK

(51) International classification	:H04W12/08, H04L29/06
(31) Priority Document No	:09/57463
(32) Priority Date	:23/10/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/EP2010/065828
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 :**

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France

(72)**Name of Inventor :**

**1)PEPIN Cyrille**

**2)LECOCQ François**

(57) Abstract :

The present invention relates to a device and a method for managing access rights to a wireless network. It uses wireless connection devices advantageously based on a smart card which enable the wireless connection to the network once connected to a terminal. These devices include means for time and/or geographical management of access to the network and authentication means. These devices can be easily preprogrammed by the entity managing the service and then distributed to the users.

No. of Pages : 17 No. of Claims : 9

(54) Title of the invention : INDUCED SEMINAL ROOTING (ISR) TECHNIQUE FOR RAPID AND MASS SCREENING OF RICE GENETIC ACCESSIONS FOR DEEP ROOT SYSTEM

(51) International classification	:A01G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)TAMIL NADU AGRICULTURAL UNIVERSITY</b>
(32) Priority Date	:NA	Address of Applicant :PROFESSOR AND HEAD,
(33) Name of priority country	:NA	DEPARTMENT OF TRADE AND INTELLECTUAL
(86) International Application No	:NA	PROPERTY, TAMIL NADU AGRICULTURAL
Filing Date	:NA	UNIVERSITY, COIMBATORE 641 003 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)DR. P. GOMATHINAYAGAM</b>
Filing Date	:NA	<b>2)DR. S. JEBARAJ</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

Induced Seminal rooting (ISR) technique is a novel technique in which the seminal root is allowed to grow by suppressing the growth of the lateral roots. The induction of seminal rooting is achieved in three steps viz., i. by keeping the seeds above the water level immediately after the emergence of the radicle, ii.. by reducing the water level of the well periodically iii. by allowing the growth of the seminal roots independently in a capillary tube preventing clinging of neighbor roots. As the moisture stress is artificially simulated right from the beginning in the capillary tubes, the varieties tend to put forth roots as deep as the water is. Virtually drought resistant varieties strike roots as quick as possible than the susceptible ones which show slower root elongation. Root comparison among varieties is easier because the adventitious roots are arrested during the test and the single seminal root is measured easily. The varietal difference in the root length is so sharp that the shallow rooted varieties are differentiated from the deep-rooted ones remarkably. It is a non destructive method; any capillary tube can be removed out at any time , rooting pattern may be compared or grown separately and flexible in handling as the roots are grown inside the glass stem. The simplicity and rapidity of this technique makes the test unique in drought screening research which normally involves enormous time and money. This technique a first of its kind shall be useful as a valuable tool to the scientific community especially to the Plant breeders, Physiologists, Seed technologists and Agronomists who are engaged in screening for deep roots in the drought resistance breeding programs for the ultimate benefit of the dry land farmers.

No. of Pages : 22 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3493/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HYDROCARBON GAS PROCESSING

(51) International classification :F25J3/00  
(31) Priority Document No :61/244,181  
(32) Priority Date :21/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/046966  
Filing Date :27/08/2010  
(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 :**  
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(72)**Name of Inventor :**  
**1)MARTINEZ Tony L.**  
**2)WILKINSON John D.**  
**3)LYNCH Joe T.**  
**4)HUDSON Hank M.**  
**5)CUELLAR Kyle T.**

(57) Abstract :

A process and an apparatus for recovering ethane, ethylene and heavier hydrocarbon components from a hydrocarbon gas stream is disclosed. The stream is cooled and divided into first and second streams. The first stream is further cooled to condense substantially all oil and is thereafter expanded to the fractionation tower pressure and supplied to the tower at an upper mid-column feed position. The second stream is expanded to tower pressure and supplied to the column at a mid-column feed position. A distillation vapor stream is withdrawn from the column above the feed point of the first stream and combined with a portion of the tower overhead vapor stream, compressed to higher pressure and cooled to condense at least a part of it, forming a condensed stream. At least a portion of the condensed stream is expanded to tower pressure and directed to the tower as its top feed.

No. of Pages : 84 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : WIRELESS COMMUNICATION DEVICE

(51) International classification	:H04M1/02, H04B1/40	(71) <b>Name of Applicant :</b> <b>1)NEC Corporation</b>
(31) Priority Document No	:2009-240141	Address of Applicant :7-1 Shiba 5-chome Minato-ku
(32) Priority Date	:19/10/2009	Tokyo 108-8001 Japan
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/005621	<b>1)NAKAMURA Atsunori</b>
Filing Date	:15/09/2010	
(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	

(57) Abstract :

A wireless communication device 100 is a device which performs wireless communication. The wireless communication device 100 includes a plurality of antennas 101a, 101b provided at different positions; and an antenna selection section (antenna selection means) 102 which acquires holding position specifying information for specifying a holding position which is a position where a user holds the wireless communication device 100 and from among the plurality of antennas 101a, 101b, selects a main antenna provided at a position which is different from the holding position specified by the acquired holding position specifying information. The wireless communication device 100 is adapted to perform wireless communication via the selected antenna.

No. of Pages : 56 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3495/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SPOT-ON PESTICIDE COMPOSITION

(51) International classification	:A01N43/48, A01N43/56
(31) Priority Document No	:61/244,788
(32) Priority Date	:22/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/049857
Filing Date	:22/09/2010
(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 :**

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NE-68136 U.S.A.

(72)**Name of Inventor :**

**1)NOUVEL Larry**

(57) Abstract :

A spot-on pesticide composition for animals specifically mammals including dogs and cats which composition comprises a combination of active components including fipronil and a pyrethroid and optionally an insect growth regulator in doses and proportions which are parasitically effective against a variety of insects and pests and in a formulation which is convenient for local application to the animal<sup>TM</sup>s skin preferably localized over a small surface area.

No. of Pages : 46 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3496/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND DEVICE FOR TREATING A SUBSTRATE SURFACE OF A SUBSTRATE

(51) International classification	:H01L21/677, H01L31/18
(31) Priority Document No	:10 2009 050 845.7
(32) Priority Date	:19/10/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/060985
Filing Date	:28/07/2010
(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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Freudenstadt-Germany  
(72)**Name of Inventor :**  
**1)SCHMID Christian**

(57) Abstract :

In a method for the treatment of a substrate surface of a flat substrate with a process medium at the substrate underside the process medium has a removing or etching effect on the substrate surface. The substrates are wetted with the process medium from below in a manner lying horizontally. The upwardly facing substrate top side is wetted or covered with water or a corresponding protective liquid over a large area or over the whole area as protection against the process medium acting on the substrate top side.

No. of Pages : 28 No. of Claims : 20



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3497/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AIRCRAFT POWER MANAGEMENT

(51) International classification :B64C11/00

(31) Priority Document No :12/565,426

(32) Priority Date :23/09/2009

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

(86) International Application No :PCT/US2010/049451

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 :

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(72)Name of Inventor :

**1)MATUSZESKI Thaddeus Benjamin**

**2)KOCH Rolland Mitchell**

**3)BERMAN Scott Garret**

**4)ABDULRAHIM Mujahid**

(57) Abstract :

An electric power management system of a vehicle may interconnect a power plant a propeller drive unit and a battery via a bus. A controller may direct the operation of the power plant and the propeller drive unit. In a slow control mode the propeller drive unit may react slowly to small throttle change requests. In the slow control mode the propeller drive unit may draw power completely or substantially from the power plant. Upon a throttle request to rapidly change propeller drive unit speed more than a threshold amount the controller may direct that the propeller drive unit quickly obtain the requested speed by drawing power required from the battery in excess of that being generated from the power plant. Subsequently the controller may direct that the power plant increase power generation to maintain the propeller drive unit at the new speed and recharge or float the battery.

No. of Pages : 52 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3498/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR THE ASSISTED RECOVERY OF HYDROCARBONS IN FRACTURED RESERVOIRS

(51) International classification :C09K8/584  
(31) Priority Document No :09 04535  
(32) Priority Date :23/09/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/EP2010/060791  
Filing Date :26/07/2010  
(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)RHODIA OPERATIONS**  
Address of Applicant :40 rue de la Haie Coq F-93306 Aubervilliers. France  
(72)**Name of Inventor :**  
**1)CHABERT Max**  
**2)MORVAN Mikel**

(57) Abstract :

Method for the recovery of petroleum of a fractured reservoir of which the matrix is wettable with oil including at least one injector well and one producer well, both of them in communication with the fractures and the matrix including, in order, the following steps: a)injection in a first time by an injector well of a solution of viscosifying surfactants capable of penetrating into the network of fractures, interacting slightly with the matrix, creating a plug in situ with a view to substantially and selectively reducing the permeability of the fractures and favoring the passage of the solution of from step b) into the matrix;b) injection in a second time by an injector well of a solution of surfactants capable of interacting with the matrix in order to render it preferably wettable with water and to extract oil therefrom, the said solution preferably flowing through the matrix, and, after a latency of at least 24 hours,c) injection in a third time by an injector well of an aqueous solution for the purpose of increasing the surface tension, soaking the matrix, extracting the oil, and after dissolution by the said oil of the plug formed in step a), entraining the oil towards the producer well.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.137/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A GUIDED TYPE MESSAGING METHOD AND SYSTEM FOR MOBILE DEVICES

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)VIVEKANANDA PANI</b>
(32) Priority Date	:NA	Address of Applicant :E-404 CONCORDE MIDWAY
(33) Name of priority country	:NA	CITY, BASAPURA VILLAGE, BANGALORE - 560 100
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)VIVEKANANDA PANI</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 disclose a method for character prediction and typing using a mobile phone keypad which comprises a plurality of keys. At least one of the pluralities of keys is associated with a plurality of characters. The method comprising steps of enabling a first set of keys corresponding to a plurality of characters, pressing a first key containing a first character of a valid word and wherein the key is pressed one or more times until the first character is typed, disabling a set of characters associated with the first set of keys which cannot follow the first character to form a valid word, typing a sequence of characters following the first character to generate a valid word and pressing a space on generation of a valid word. .

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.160/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :16/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A SOLAR COLLECTOR PANEL WITH INBUILT HOT WATER STORAGE

(51) International classification	:F24J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)M/S V-GUARD INDUSTRIES LTD.</b>
(32) Priority Date	:NA	Address of Applicant :33/2905 F, VENNALA HIGH
(33) Name of priority country	:NA	SCHOOL ROAD, VENNALA P.O., KOCHI - 682 028 Kerala
(86) International Application No	:NA	India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)MR. CHITILAPPILY KOCHOUSEPH</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 can be described as a unique solar collector panel with inbuilt hot water storage system. The specially designed trapezoidal projections on the polymer collector panel replace the riser tubes and headers provided on the conventional flat plate collectors. The cold water inlet is connected to the bottom of the collector panel and outlet is taken from the top of hot water storage inside the collector panel. The collector panel with inbuilt hot water storage system is made of food grade polymer using rotational moulding technique.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1831/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :03/08/2009

(43) Publication Date : 26/07/2013

(54) Title of the invention : A PROCESS FOR THE EXTRACTION OF VIRGIN SERICIN OF BOMBYX MORI

(51) International classification	:D01C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)CENTRAL SERICULTURAL RESEARCH AND</b>
(32) Priority Date	:NA	<b>TRAINING INSTITUTE</b>
(33) Name of priority country	:NA	Address of Applicant :(Central Silk Board),
(86) International Application No	:NA	SRIRAMPURA, MANANDAVADI ROAD,MYSORE-570
Filing Date	:NA	008, Karnataka India
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)CENTRAL SERICULTURAL RESEARCH AND</b>
Filing Date	:NA	<b>TRAINING INSTITUTE</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for the extraction of virgin sericin of Bombyx mori comprising: collecting cocoon shells of different breeds/hybrids; subjecting the cocoon shells to the step of drying; autoclaving the dried cocoons at a temperature range of 100-120°C in de-mineralized water to extract sericin; concentrating the liquor containing sericin to produce sericin gels; recovering sericin powder from the concentrated liquor; subjecting the sericin powder to the step of hydrolyzation.

No. of Pages : 45 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1913/CHE/2011 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : A PROCESS FOR PREPARATION OF NEVIRAPINE

(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)APTUIT LAURUS PVT LTD**

Address of Applicant :APTUIT LAURUS PVT LTD, ICICI  
KNOWLEDGE PARK, TURKAPALLY, SHAMEERPET  
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Pradesh India

(72)Name of Inventor :

**1)CHAVA SATYANARAYANA**

**2)GORANTLA SEETA RAMANJANEYULU**

**3)INDUKURI VENKATA SUNIL KUMAR**

**4)SIMHADRI SRINIVAS**

**5)MOHAMMED YASEEN**

(57) Abstract :

The present invention provides a process for the preparation of nevirapine, which comprises reaction of 2-chloro-N-(2-chloro-4-methyl-3-pyridinyl)-3-pyridine carboxamide with cyclopropyl amine in presence of a suitable reagent such as carbonates, bicarbonates, acetates of alkali metals and lanthanum oxide, followed by cyclization of the resultant product.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.234/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ARECA SHEATH AS AN ALTERNATE DRY FODDER FOR LIVESTOCK

(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)NATIONAL INSTITUTE OF ANIMAL NUTRITION  
AND PHYSIOLOGY**

Address of Applicant :ADUGUDI, BANGALORE 560 030  
Karnataka India

(72)Name of Inventor :

**1)GOWDA, NISARANI KOLLURAPPA SHIVAKUMAR**

**2)SAMIREDDYPALLE, ANANDAN**

**3)PAL, DIN TARAN**

**4)KORATIKERE THIRUMALACHAR SAMPATH**

(57) Abstract :

Disclosed is an alternate dry feed to enhance the milk production in livestock. The dry feed is a mixture of dried and powdered areca sheath with feed ingredients like of crushed maize grain, wheat bran, rice polish, groundnut cake, mineral mixture and common salt. The said feed is an easy alternative to ever decreasing and costlier paddy straw . The alternate areca based feed gives a high productivity in lactating animals and also improves in milk fat percentage by 0.2-0.3 units.

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3513/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : LICENSE MANAGEMENT SYSTEM, SALES MANAGEMENT APPARATUS, AND LICENSE MANAGEMENT APPARATUS

(51) International classification	:G06F21/10, G06Q50/00	(71)Name of Applicant : <b>1)RICOH COMPANY, LTD.</b>
(31) Priority Document No	:2009-253499	Address of Applicant :3-6, NAKAMAGOME 1-CHOME,
(32) Priority Date	:04/11/2009	OHTA-KU, TOKYO 143-8555 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:PCT/JP2010/069877	<b>1)ITO, TATSUO</b>
Filing Date	:02/11/2010	
(87) International Publication No	:WO 2011/055836 A1	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A disclosed license management system includes a sales management apparatus and a license management apparatus. The sales management apparatus includes a transmission unit that transmits a registration request including configuration information of a group including a combination of plural selected programs; a product registration unit that receives an input of license information corresponding to the group, associates and stores the license information with the group, in a product information storage unit as product information; and a sales management unit that transmits a Est of the product information in response to a reception of a purchase request for purchasing the program, the product information being stored in the product information storage unit The license management apparatus includes a group information storage unit that stores the configuration information included in the registration request.

No. of Pages : 203 No. of Claims : 12



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3389/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MULTIPLEXING REFERENCE SIGNAL AND DATA IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04L27/26, H04W4/00	(71) <b>Name of Applicant :</b> <b>1)QUALCOMM INCORPORATED</b> Address of Applicant :INTERNATIONAL IP ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN DIEGO, CALIFORNIA 92121-1714 U.S.A.
(31) Priority Document No	:61/256,895	
(32) Priority Date	:30/10/2009	
(33) Name of priority country	:U.S.A.	
(86) International Application No	:PCT/US2010/054815	(72) <b>Name of Inventor :</b>
Filing Date	:29/10/2010	<b>1)XILIANG LUO</b>
(87) International Publication No	:WO 2011/053836 A2	<b>2)JUAN MONTOJO</b>
(61) Patent of Addition to Application Number	:NA	<b>3)PETER GAAL</b>
Filing Date	:NA	<b>4)RAVI PALANKI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Techniques for efficiently multiplexing a reference signal and data on different sets of subcarriers in the same symbol period are described. In one design, a user equipment (UE) performs a discrete Fourier transform (DFT) on a set of modulation symbols for data to obtain data symbols. The UE also obtains reference symbols generated based on a reference signal sequence corresponding to a cyclic shift of a base sequence. The UE maps the reference symbols to a first set of subcarriers and maps the data symbols to a second set of subcarriers. The UE then generates a transmission symbol based on the mapped reference symbols and the mapped data symbols. The UE may also transmit reference signals and data (i) in multiple symbol periods of a slot or a subframe and/or (ii) from multiple antennas using frequency division multiplexing (FDM) or code division multiplexing (CDM).

No. of Pages : 45 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3520/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESS FOR THE CONVERSION OF MIXED LOWER ALKANES TO AROMATIC HYDROCARBONS

(51) International classification :C07C15/00

(31) Priority Document No :61/257,085

(32) Priority Date :02/11/2009

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

(86) International Application No :PCT/US2010/054600

Filing Date :29/10/2010

(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)SHELL INTERNATIONALE RESEARCH  
MAATSCHAPPIJ B.V.**

Address of Applicant :Carel van Bylandtlaan 30 NL-2596  
The Hague Netherlands (NL)

(72)Name of Inventor :

**1)IYER Mahesh Venkataraman**

**2)LAURITZEN Ann Marie**

**3)MADGAVKAR Ajay Madhav**

(57) Abstract :

A process for the conversion of mixed lower alkanes into aromatics which comprises first reacting a mixed lower alkane feed comprising at least propane and ethane in the presence of an aromatization catalyst under reaction conditions which maximize the conversion of propane into first stage aromatic reaction products separating ethane from the first stage aromatic reaction products reacting ethane in the presence of an aromatization catalyst under reaction conditions which maximize the conversion of ethane into second stage aromatic reaction products and optionally separating ethane from the second stage aromatic reaction products.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3521/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SELECTIVE TRANSMISSION OF POWER DECISION PILOT IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W52/54  
(31) Priority Document No :12/578,066  
(32) Priority Date :13/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2009/066466  
Filing Date :02/12/2009  
(87) International Publication No :WO 2011/046574 A2  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)QUALCOMM INCORPORATED**

Address of Applicant :INTERNATIONAL IP  
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN  
DIEGO, CALIFORNIA 92121-1714 U.S.A.

(72)Name of Inventor :

**1)ALEXEI Y. GOROKHOV**

**2)AAMOD D. KHANDEKAR**

**3)RAVI PALANKI**

(57) Abstract :

Techniques for selectively transmitting a power decision pilot are described. The power decision pilot may be indicative of the transmit power to use for data transmission in a future time interval. The power decision pilot may be transmitted when sufficiently beneficial for channel quality estimation or omitted otherwise. Whether or not to transmit the power decision pilot may be determined based on system type (e.g., heterogeneous or homogeneous system), the presence or absence of a dominant interferer, whether a reduce interference request is received, etc. For example, a base station may transmit a power decision pilot if it causes high interference to a non-served terminal, if a served terminal observes high interference from a neighbor base station, if the base station receives a reduce interference request from a non-served terminal, etc. The power decision pilot may be transmitted if a determination is made to transmit the pilot or omitted otherwise.

No. of Pages : 54 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3522/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : TDM-FDM RELAY BACKHAUL CHANNEL FOR LTE ADVANCED

(51) International classification :H04B7/26  
(31) Priority Document No :61/257,407  
(32) Priority Date :02/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055167  
Filing Date :02/11/2010  
(87) International Publication No :WO 2011/054003 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**

**1)QUALCOMM INCORPORATED**

Address of Applicant :INTERNATIONAL IP  
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN  
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(72)**Name of Inventor :**

**1)TINGFANG JI**

**2)AAMOD DINKAR KHANDEKAR**

**3)WANSI CHEN**

**4)JUAN MONTOJO**

**5)ALEXEI YURIEVITCH GOROKHOV**

**6)RAVI PALANKI**

(57) Abstract :

Methods, apparatus and computer program products are provided for receiving a first group of resource blocks, frequency multiplexed in a transmission subframe, where the first group of resource blocks spans less than a full transmission bandwidth and includes a UE control channel in a first time interval, a relay control channel and a first quantity of dedicated reference symbols in a second time interval, and a shared data channel and a second quantity of dedicated reference symbols in a third time interval. This Abstract is provided for the sole purpose of complying with the Abstract requirement rules that allow a reader to quickly ascertain the disclosed subject matter. Therefore, it is to be understood that it should not be used to interpret or limit the scope or the meaning of the claims.

No. of Pages : 73 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3395/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HEALTH CARE DELIVERY MONITORING SYSTEMS AND METHODS

(51) International classification :G06Q50/00

(31) Priority Document No :61/251,955

(32) Priority Date :15/10/2009

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

(86) International Application No :PCT/US2010/052827

Filing Date :15/10/2010

(87) International Publication No :WO 2011/047250 A1

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)3M INNOVATIVE PROPERTIES COMPANY**

Address of Applicant :3M CENTER, POST OFFICE BOX  
33427 SAINT PAUL, MINNESOTA 55133-3427 U.S.A.

(72)Name of Inventor :

**1)ANDERSON, DANIEL D.**

**2)BARTZ, SHERMAN L.**

**3)CARLSON, CRAIG, M.**

**4)GONZALEZ, BERNARD, A.**

**5)KNUDSON, ORLIN B.**

**6)KRUSE, JOHN M.**

**7)OSTER, CRAIG D.**

(57) Abstract :

Health care delivery monitoring systems and methods are described herein. The systems and methods may be used to monitor the delivery of health care bundles to one or more patients. The systems and methods may communicate with a health care worker delivering a health care bundle to provide selected information to the health care worker such as, e.g., one or more instructions regarding delivery of the health care bundle. In addition, the systems and methods described herein may further include the collection of compliance data to provide feedback regarding compliance with health care delivery protocols established within a health care facility.

No. of Pages : 52 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3396/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MICROORGANISMS FOR THE PRODUCTION OF 1, 4-BUTANEDIOL, 4-HYDROXYBUTANAL, 4-HYDROXY-BUTRYL-COA, PUTRESCINE AND RELATED COMPOUNDS, ADN METHODS RELATED THERETO

(51) International classification	:C12P7/26	(71)Name of Applicant :
(31) Priority Document No	:61/251,287	<b>1)GENOMATICA, INC.</b>
(32) Priority Date	:13/10/2009	Address of Applicant :10520 WATERIDGE CIRCLE, SAN
(33) Name of priority country	:U.S.A.	DIEGO, CA 92121 U.S.A.
(86) International Application No	:PCT/US2010/052570	(72)Name of Inventor :
Filing Date	:13/10/2010	<b>1)HASELBECK, ROBERT</b>
(87) International Publication No	:WO 2011/047101 A1	<b>2)TRAWICK, JOHN D.</b>
(61) Patent of Addition to Application		<b>3)NIU, WEI</b>
Number	:NA	<b>4)BURGARD, ANTHONY, P.</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention provides non-naturally occurring microbial organisms comprising a 1,4-butanediol (BDO), 4-hydroxybutyryl-CoA, 4-hydroxybutanal or putrescine pathway comprising at least one exogenous nucleic acid encoding a BDO, 4-hydroxybutyryl-CoA, 4-hydroxybutanal or putrescine pathway enzyme expressed in a sufficient amount to produce BDO, A-hydroxybutyryl-CoA, 4-hydroxybutanal or putrescine and thither optimized for expression of BDO. The invention additionally provides methods of using such microbial organisms to produce BDO, 4-hydroxybutyryl-CoA, 4-hydroxybutanal or putrescine.

No. of Pages : 444 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3397/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HIGH-TEMPERATURE TREATMENT OF HYDROUS MINERALS

(51) International classification :C01B33/22,  
B01D53/62  
(31) Priority Document No :61/243,587  
(32) Priority Date :18/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/049152  
Filing Date :16/09/2010  
(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)Arizona Board of Regents for and on behalf of Arizona State University**  
Address of Applicant :1475 North Scottsdale Road Sky  
Song -- Suite 200 Scottsdale Arizona-85257-3538 U.S.A.  
**2)Orica Explosives Technology Pty Ltd.**  
(72)Name of Inventor :  
**1)CHIZMESHYA Andrew V.G.**  
**2)BRENT Geoffrey Frederick**

(57) Abstract :

Increasing the activity of a hydrous magnesium silicate with respect to sequestration of carbon dioxide by mineral carbonation includes rapid heating of the hydrous magnesium silicate. Rapid heating of the hydrous magnesium silicate includes heating a quantity of particles of hydrous magnesium silicate with flame conditions to substantially dehydroxylate the particles. The dehydroxylated particles can be contacted with carbon dioxide in a sequestration process to form magnesium carbonate.

No. of Pages : 34 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3526/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CONTENT-BASED IMAGE SEARCH

(51) International classification	:G06F17/30
(31) Priority Document No	:12/610,810
(32) Priority Date	:02/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055165
Filing Date	:02/11/2010
(87) International Publication No	:WO 2011/054002 A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)MICROSOFT CORPORATION**

Address of Applicant :ONE MICROSOFT WAY,  
REDMOND, WASHINGTON 98052-6399 U.S.A.

(72)Name of Inventor :

**1)KE, QIFA**

**2)LIU, MING**

**3)LI, YI**

(57) Abstract :

Image descriptor identifiers are used for content-based search. A plurality of descriptors is determined for an image. The descriptors represent the content of the image at respective interest points identified in the image. The descriptors are mapped to respective descriptor identifiers. The image can thus be represented as a set of descriptor identifiers. A search is performed on an index using the descriptor identifiers as search elements. A method for efficiently searching the inverted index is also provided. Candidate images that include at least a predetermined number of descriptor identifiers that match those of the image are identified. The candidate images are ranked and at least a portion thereof are presented as content-based search results.

No. of Pages : 46 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3527/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : EMPLOYING OVERLAYS FOR SECURING CONNECTIONS ACROSS NETWORKS

(51) International classification :H04L12/28  
(31) Priority Document No :12/614,007  
(32) Priority Date :06/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/054559  
Filing Date :28/10/2010  
(87) International Publication No :WO 2011/056714 A3  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)MICROSOFT CORPORATION**  
Address of Applicant :ONE MICROSOFT WAY,  
REDMOND, WASHINGTON 98052-6399 U.S.A.  
(72)**Name of Inventor :**  
**1)ALKHATIB, HASAN**  
**2)BANSAL, DEEPAK**

(57) Abstract :

Computerized methods, systems, and computer-storage media for establishing and managing a virtual network overlay (overlay) are provided. The overlay spans between a data center and a private enterprise network and includes endpoints, of a service application, that reside in each location. The service-application endpoints residing in the data center and in the enterprise private network are reachable by data packets at physical IP addresses. Virtual presences of the service-application endpoints are instantiated within the overlay by assigning the service-application endpoints respective virtual IP addresses and maintaining an association between the virtual IP addresses and the physical IP addresses. This association facilitates routing the data packets between the service-application endpoints, based on communications exchanged between their virtual presences within the overlay. Also, the association secures a correction between the service-application endpoints within the overlay that blocks communications from other endpoints without a virtual presence in the overlay.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3436/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MICRO-BUBBLE GENERATOR AND MICRO-BUBBLE GENERATION DEVICE

(51) International classification	:B01F5/00, B01F3/04	(71) <b>Name of Applicant :</b> <b>1)NAKAMOTO Yoshinori</b>
(31) Priority Document No	:2009-243930	Address of Applicant :9-3-1501 Kaminoboricho Naka-ku
(32) Priority Date	:22/10/2009	Hiroshima-shi Hiroshima-730-0014 Japan
(33) Name of priority country	:Japan	(72) <b>Name of Inventor :</b>
(86) International Application No	:PCT/JP2010/067356	<b>1)HATO Yoko</b>
Filing Date	:04/10/2010	
(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 :

An object is to provide a micro-bubble generator, etc. , capable of efficiently generating bubbles having a particle size of a nanometer order. One aspect of the present invention is a micro-bubble generator provided with a swirl chamber, a fluid introduction opening connected to the swirl chamber, the fluid introduction opening for introducing fluid along a line tangent to an inner surface of the swirl chamber, and a discharge tube for guiding the fluid in the direction substantially perpendicular to the direction in which the fluid is introduced. The discharge tube penetrates a wall surface of the swirl chamber and protrudes to an interior of the swirl chamber. According to the present configuration, by isolating a path of the introduced fluid, a loss of kinetic energy of a swirl flow of the fluid can be reduced. Thus, the micro-bubble generator capable of reducing the size of the generated micro-bubbles can be obtained.

No. of Pages : 54 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3437/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR RELATIVE POSITIONING OF LAND VEHICLES IN RELATION TO A CRANE

(51) International classification	:B66C13/46, B65G63/00
(31) Priority Document No	:09 56476
(32) Priority Date	:21/09/2009
(33) Name of priority country	:France
(86) International Application No	:PCT/FR2010/051865
Filing Date	:08/09/2010
(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)ENVISION VEHICLE ENGINEERING NOVASIO  
TECHNOLOGY EVENT**

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Hericourt France

(72)**Name of Inventor :**

**1)HECKY Stphane**

**2)BALON Pascal**

(57) Abstract :

The present invention relates to relative positioning of land vehicles in relation to a crane (2) for unloading and loading a load respectively from and onto said vehicles. The invention relates to a method in which a first vehicle (101) is positioned under said crane (2) characterised in that at least one second vehicle (102) detects the position of the first vehicle (101) in order to position itself in relation thereto.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3561/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : COSMETIC SURGERY APPARATUS AND METHOD

(51) International classification :A61B18/18  
(31) Priority Document No :0917316.2  
(32) Priority Date :02/10/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/001858  
Filing Date :04/10/2010  
(87) International Publication No :WO 2011/039522 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)CREO MEDICAL LIMITED**

Address of Applicant :THE GRANARY MANOR FARM  
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BA3 4QF U.K.

(72)Name of Inventor :

**1)HANCOCK, CHRISTOPHER PAUL**

(57) Abstract :

The present invention provides surgical apparatus for liposuction in which microwave energy is delivered from a probe into a treatment region to perform a fat liquefying function or a haemostasis function. The apparatus is arranged such that an output microwave field automatically adopts a configuration suitable for the fat liquefying function or haemostasis function depending on the type of tissue encountered by the probe in the treatment region. In particular, by suitable selection of the frequency of the microwave energy, the difference in skin depth of the microwave energy in fat and blood may enable the microwave field to automatically switch its configuration between one suitable for fat liquefying and one suitable for haemostasis without any change required to the amount of microwave power or the energy profile delivered to the probe.

No. of Pages : 50 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3562/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : USE OF 4-[ETHYL(DIMETHYL) AMMONIA] BUTANOATE IN THE TREATMENT OF CARDIOVASCULAR DISEASE

(51) International classification :C07C229/12  
(31) Priority Document No :P-09-181  
(32) Priority Date :22/10/2009  
(33) Name of priority country :Latvia  
(86) International Application No :PCT/EP2010/065924  
Filing Date :22/10/2010  
(87) International Publication No :WO 2011/048201  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)GRINDEKS, A JOINT STOCK COMPANY**  
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RIGA Latvia  
(72)Name of Inventor :  
**1)KALVINS, IVARS**  
**2)DAMBROVA, MAIJA**  
**3)LIEPINS, EDGARS**  
**4)PUGOVICS, OSVALDS**  
**5)VILSKERSTS, REINIS**  
**6)KUKA, JANIS**  
**7)GRINBERGA, SOLVEIGA**  
**8)LOZA, EINARS**

(57) Abstract :

New compound 4-[ethyl(dimethyl)ammonio]butanoate, method of preparation thereof and use in the treatment of cardiovascular disease.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3563/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SECURITY DOCUMENT

(51) International classification :B42D15/00  
(31) Priority Document No :0918939.0  
(32) Priority Date :29/10/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/051800  
Filing Date :27/10/2010  
(87) International Publication No :WO 2011/051712 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)THE GOVERNOR & COMPANY OF THE BANK OF ENGLAND**  
Address of Applicant :THREADNEEDLE STREET,  
LONDON EC2R 8AH U.K.  
(72)**Name of Inventor :**  
**1)O'DONOGHUE, KAREN**  
**2)RYAN, RUTH**  
**3)BENNISTON, ANDREW**  
**4)HARRIMAN, ANTHONY**  
**5)RIMMER, STEVE**  
**6)SARKER, PRODIP**  
**7)SWANSON, LINDA**

(57) Abstract :

There is provided a security document (10) bearing an image (16) associated with an active substance, wherein the active substance is responsive to tactile pressure (18) in the range 0.01- 10MPa to alter the appearance of the image particularly when viewed under ultraviolet radiation (14). The active substance can be incorporated in an ink forming at least part of the image, in one or more layers associated with or beneath the image, or incorporated within a polymer, or adhesive associated with the image. The active substance comprises at least one of the following: organic or inorganic dye or dyes, chromophore (s), multi - chromophore (s), lumiphore(s). A layer incorporates a UV filter capable of being rendered inoperative in response to pressure, such that tactile pressure thins this layer so that the UV are no longer blocked and reach the lumiphore layer.

No. of Pages : 23 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3440/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESSES AND INTERMEDIATES FOR THE PREPARATION OF 1-SUBSTITUTED CARBANUCLEOSIDE ANALOGS

(51) International classification	:C07H1/00, C07H19/23	(71)Name of Applicant : <b>1)GILEAD SCIENCES INC</b> Address of Applicant :333 Lakeside Drive Foster City California-94404 U.S.A.
(31) Priority Document No	:61/244,299	(72)Name of Inventor :
(32) Priority Date	:21/09/2009	<b>1)BUTLER Thomas</b>
(33) Name of priority country	:U.S.A.	<b>2)CHO Aesop</b>
(86) International Application No	:PCT/US2010/049508	<b>3)GRAETZ Benjamin R</b>
Filing Date	:20/09/2010	<b>4)KIM Choung U.</b>
(87) International Publication No	: NA	<b>5)METOBO Samuel E.</b>
(61) Patent of Addition to Application Number	:NA	<b>6)SAUNDERS Oliver L</b>
Filing Date	:NA	<b>7)WALTMAN Andrew W.</b>
(62) Divisional to Application Number	:NA	<b>8)XU Jie</b>
Filing Date	:NA	<b>9)ZHANG Lijun</b>

(57) Abstract :

Provided are processes and intermediates for the syntheses of nucleosides of pyrrolo[1 2-f][1 2 4]triazinyl and imidazo[1 2-f][1 2 4]triazinyl heterocycles of Formula I.

No. of Pages : 115 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3441/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : REMOVAL OF CO<sub>2</sub> FROM GASES HAVING LOW CO<sub>2</sub> PARTIAL PRESSURES USING 2,2-(ETHYLENEDIOXY)-BIS-(ETHYLAMINE) (EDEA)•

(51) International classification :B01D53/14  
(31) Priority Document No :10 2010 004 071.1  
(32) Priority Date :05/01/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/007841  
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

(71)Name of Applicant :  
**1)ThyssenKrupp Uhde GmbH**  
Address of Applicant :Friedrich-Uhde-Strasse 15 44141  
Dortmund Germany  
(72)Name of Inventor :  
**1)MENZEL Johannes**  
**2)VON MORSTEIN Olaf**

(57) Abstract :

Use of an absorbent for the removal of acid gases from a fluid stream the absorbent consisting of an aqueous solution of 2,2-(ethylenedioxy)bis(ethylamine).

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3442/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SILO HAVING A FILLING DEVICE

(51) International classification	:B65G65/32, B65G65/36
(31) Priority Document No	:10 2009 041 970.5
(32) Priority Date	:21/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/005624
Filing Date	:14/09/2010
(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)Claudius Peters Projects GmbH**  
Address of Applicant :Schanzenstrasse 40 21614  
Buxtehude Germany  
(72)**Name of Inventor :**  
**1)BUCHFINK Adolf**

(57) Abstract :

The invention relates to a silo comprising a silo compartment (10) and a filler pipe (16) for feeding in bulk material (15) wherein the filler pipe (16) comprises a plurality of valve openings (19) arranged at different heights characterized in that the filler pipe (16) is arranged in a feed chamber (17) which is separated from the silo compartment (10) by a partition wall (18) and in that a plurality of outlet openings (21 22) arranged at different heights The invention allows large silos to be filled without the segregation of the bulk goods(15).

No. of Pages : 19 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3567/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : ANTI-HEPSIN ANTIBODIES AND METHODS USING SAME

(51) International classification :C07K16/40

(31) Priority Document No :61/253,953

(32) Priority Date :22/10/2009

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

(86) International Application No :PCT/US2010/053591

Filing Date :21/10/2010

(87) International Publication No :WO 2011/050188 A1

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)F. HOFFMANN-LA ROCHE AG**

Address of Applicant :124 GRENZACHERSTRASSE, CH-4070 BASEL Switzerland

(72)Name of Inventor :

**1)GANESAN, RAJKUMAR**

**2)KIRCHHOFFER, DANIEL**

**3)MORAN, PAUL, M.**

**4)ZHANG, YINGNAN**

(57) Abstract :

The invention provides hepsin antibodies, and compositions comprising and methods of using these antibodies.

No. of Pages : 153 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3568/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(5 ) Title of the invention : ANOSCALE -NUCLEATING AGENT FOR POLYPROPYLENE

(51) International classification :C08J5/18  
(31) Priority Document No :10 2009 050 439.7  
(32) Priority Date :20/10/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/006240  
Filing Date :13/10/2010  
(87) International Publication No :WO 2011/047797  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)TREOFAN GERMANY GMBH & CO. KG**  
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NEUNKIRCHEN Germany  
(72)**Name of Inventor :**  
**1)BUSCH, DETLEF**  
**2)KLEIN, DOMINIC**  
**3)SCHMITZ, BERTRAM**

(57) Abstract :

The invention relates to a method for producing a dispersion of nanoscale dicarboxylic acid salts, to the use of these dispersions for producing a compound, and to the use for producing films. The invention further relates to the use of the compounds for producing films.

No. of Pages : 27 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3569/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESS FOR PREPARATION AND PREFERABLY DISTILLATIVE WORKUP OF DIPHENYLMETHANE DIISOCYANATE (MDI)

(51) International classification :C07C209/36  
(31) Priority Document No :09173515.9  
(32) Priority Date :20/10/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/065782  
Filing Date :20/10/2010  
(87) International Publication No :WO 2011/048134  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)BASF SE**

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(72)Name of Inventor :

**1)SCHNEIDER, CHRISTIAN**

**2)ZAFRED, NIKOLAUS**

**3)HEUSSLER, ANDREAS**

**4)DENISSEN, LEO**

**5)KONIGSMANN, LUCIA**

(57) Abstract :

What is proposed is a process for preparation and distillative workup of diphenylmethane diisocyanate (MDI), proceeding from a benzene-comprising feedstream, in which, in a catalytic hydrogenation of nitrobenzene to aniline, steam is raised at two different pressure levels, which partly or completely covers the energy demand for the overall process, by using two fluidized bed reactors of identical design, of which - a first fluidized bed reactor is operated with an aniline load for which the fluidized bed reactors have been designed and provides steam at a first, lower pressure level, and - a second fluidized bed reactor is operated with a load lowered with respect to the first fluidized bed reactor to such an extent that the second fluidized bed reactor affords steam at the higher pressure level.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3570/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR PRESENTING USER-DEFINED MENU OF DIGITAL CONTENT CHOICES, ORGANIZED AS RING OF ICONS SURROUNDING PREVIEW PANE

(51) International classification :G06F3/00  
(31) Priority Document No :61/245,629  
(32) Priority Date :24/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050301  
Filing Date :24/09/2010  
(87) International Publication No :WO 2011/038296 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)RINGGUIDES INC.**  
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(72)**Name of Inventor :**  
**1)MAY, ROBERT**  
**2)NEUFELD, NADAV, MEIR**  
**3)SOLARI, JEFFREY**  
**4)GRANGER, JAMES**

(57) Abstract :

RingGuide is an organizational and social media methodology and system that enables new forms of distributed interfaces on any 2D or 3D class electronic device. The RingGuide comprises a hierarchy of Rings displaying on one or more of these devices. The Rings may contain Asset Cells representing a database record available in associated local or remote databases (a movie, video or graphical advertisement, TV show, metadata, etc.); Code Cells capable of executing specific functionality, such as search, show by time, a widget that displays realtime weather information or a separately launchable application such as an instant messaging client; Element Cells showing locally or remotely update-able user interface elements, and Link Cells that refer to sub- Rings that may be organized by genre, media owner brands, etc.

No. of Pages : 88 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3453/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHODS AND PHARMACEUTICAL COMPOSITIONS FOR TREATING DOWN SYNDROME

(51) International classification :A61K31/47,  
A61K31/275  
(31) Priority Document No :61/244,851  
(32) Priority Date :22/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/049767  
Filing Date :17/04/2012  
(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)Neuronascent Inc.**

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244 Clarksville MD 21029-1642 U.S.A.

(72)**Name of Inventor :**

**1)KELLEHER-ANDERSSON Judith**

(57) Abstract :

The compounds and pharmaceutical compositions of the present invention are believed to significantly inhibit Dyrkl a activity which suggests that the agents could provide therapeutic benefit for Down syndrome, since Dyrkla overproduction in Down syndrome appears to account for the developmental cognitive impairment and reduction in neurogenesis. The compounds and pharmaceutical compositions, administered during early post-natal development, may increase neurogenesis and thereby reduce cognitive impairment which may ultimately allow individuals with Down syndrome to live a more independent life.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3454/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : THERMODYNAMIC MACHINE WITH STIRLING CYCLE

(51) International classification :F02G1/057

(31) Priority Document No :0956472

(32) Priority Date :21/09/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051973

Filing Date :17/04/2012

(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)STIRAL**

Address of Applicant :84 Avenue du Grsivaudan 38700  
Corenc France

(72)**Name of Inventor :**

**1)CHARLAT Pierre**

(57) Abstract :

The invention relates to a thermodynamic machine made up of at least one assembly of two elementary Stirling cycle machines (M1 M2) symmetrically formed in one or more cylindrical bodies with the same axis (57) each elementary machine including first and second compression/expansion chambers (55 63) a regenerator (59) separating the first and second chambers and first and second outer walls (67 51) intended for sealing the volume of the first and second chambers respectively the regenerator and the first and second outer walls of one elementary machine being rigidly connected to the same elements of the other elementary machines.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3572/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : USER-DEFINED ALGORITHM ELECTRONIC TRADING

(51) International classification :G06Q40/00  
(31) Priority Document No :61/253,324  
(32) Priority Date :20/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/053172  
Filing Date :19/10/2010  
(87) International Publication No :WO 2011/049936 A2  
(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)LANE, RICHARD**

**2)UNETICH, MICHAEL**

**3)LIDOR, DANIEL**

**4)EDWARDS, NATHAN**

(57) Abstract :

Certain embodiments reduce the risks of traditionally programmed algorithms such as syntax errors, unclear logic, and the need for a non-trader programmer to develop the algorithm as specified by a trader by reducing or eliminating the writing of programming code by a user. Certain embodiments provide building block buttons and an algorithm area to define an algorithm. Certain embodiments provide live evaluation of an expression as the algorithm is being defined. Certain embodiments provide a design canvas area and blocks for designing an algorithm. Certain embodiments provide live feedback for blocks as the algorithm is being designed. Certain embodiments provide for initiating placement of an order to be managed by a selected user-defined trading algorithm from a value axis and for displaying working orders being managed by different user-defined trading algorithms on the value axis. Certain embodiments provide a ranking tool.

No. of Pages : 138 No. of Claims : 32



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3573/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : MODULATION OF AXON DEGENERATION

(51) International classification :A61K31/7105

(31) Priority Document No :61/254,190

(32) Priority Date :22/10/2009

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

(86) International Application No :PCT/US2010/053596

Filing Date :21/10/2010

(87) International Publication No :WO 2011/050192 A1

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)F. HOFFMANN-LA ROCHE AG**

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(72)Name of Inventor :

**1)LEWCOCK, JOSEPH WESLEY**

**2)POZNIAK, CHRISTINE**

**3)SENGUPTA-GHOSH, ARUNDHATI**

(57) Abstract :

The invention relates generally to treatment of neurological disorders and nervous system injuries. The invention specifically provides methods of using modulators of particular target proteins to modulate degeneration of neurons or portions thereof, such as axons.

No. of Pages : 182 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3575/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : ATTACHING STRUCTURE OF ELECTRICAL WIRE COVER

(51) International classification :H01R13/629  
(31) Priority Document No :2009-243445  
(32) Priority Date :22/10/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/069227  
Filing Date :22/10/2010  
(87) International Publication No :WO 2011/049242  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)YAZAKI CORPORATION**  
Address of Applicant :4-28, MITA 1-CHOME, MINATO-  
KU, TOKYO Japan  
(72)**Name of Inventor :**  
**1)SUZUKI, KENJI**  
**2)IKEYA, KAZUhide**  
**3)WACHI, KOUHEI**

(57) Abstract :

An attaching structure of an electrical wire cover includes a lever and a lock arm engaged with a lock portion. The lever is rotatably provided at a connector housing, and engages the connector housing with a mating connector housing by rotating operation. The lever is held at a temporary-locking position before the engagement with the mating housing connector. An excessive displacement restriction portion is provided on the lever. The excessive displacement restriction portion comes in contact with a lock arm when the lever is held at the temporary-locking position so as to restrict excessive deforming of the lock arm in an outward direction.

No. of Pages : 22 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3449/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : ENHANCED FERTILIZER PRODUCTS WITH POLYMER ADJUVANTS

(51) International classification	:C05G3/00, C05D11/00
(31) Priority Document No	:12/573,506
(32) Priority Date	:05/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/050244
Filing Date	:17/04/2012
(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

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**1)SANDERS John Larry**

(57) Abstract :

Improved fertilizer mineral compositions are provided by coating a mineral such as gypsum a member of the Kieserite Group potassium magnesium sulfate elemental sulfur and mixtures thereof with low pH maleic-itaconic copolymers. The preferred copolymers are aqueous dispersions of acid or partial salt maleic-itaconic copolymers and are applied by spraying or other means onto the surface of the mineral and allowed to dry. The copolymer coatings increase the solubility of sulfate and calcium or magnesium ions from the fertilizer minerals allowing accelerated plant availability and uptake of such nutrients.

No. of Pages : 17 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3578/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : EASILY REMOVABLE COMBUSTION TUBE

(51) International classification :G01N31/12  
(31) Priority Document No :61/245,732  
(32) Priority Date :25/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050160  
Filing Date :24/09/2010  
(87) International Publication No :WO 2011/038203 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)FORD, GORDON C.**

(57) Abstract :

A combustion tube mounting system releasably mounts a combustion tube to an aperture in the floor of a furnace housing. The combustion tube has a base assembly with a cam and can be manually or automatically unlocked by cam pins in the floor for selectively engaging the cam for lowering the combustion tube from the floor of the furnace. When a new combustion tube is placed on the lower seal assembly and raised, it automatically aligns and engages the upper furnace seal and engages cams on the floor of the furnace housing which lock the combustion tube in place as it is introduced into the furnace.

No. of Pages : 24 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3579/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : COMPOSITION AND METHOD FOR CONTROLLING ARTHROPOD PESTS

(51) International classification :A01N43/76  
(31) Priority Document No :2009-241746  
(32) Priority Date :20/10/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/068778  
Filing Date :18/10/2010  
(87) International Publication No :WO 2011/049222  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)OTSUKI, JUNKO**

(57) Abstract :

The present invention provides; anarthropod pests control composition comprising; as active ingredients, a condensed heterocyclic compound and a diamide compound; a method for controlling arthropod pests which comprises applying effective amounts of a condensed heterocyclic compound and a diamide compound to the arthropod pests or a locus where the arthropod pest inhabit; and so on.

No. of Pages : 280 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3580/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR MINIMISING THE CONSUMABLE MATERIAL LOSSES IN MACHINE TOOLS

(51) International classification :G05B19/418  
(31) Priority Document No :10 2009 046 101.9  
(32) Priority Date :28/10/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/DE2010/050080  
Filing Date :26/10/2010  
(87) International Publication No :WO 2011/050795 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)BAUER, KLAUS**

**2)BOGER, JURGEN**

**3)NASSAL, THOMAS**

**4)WADEHN, WOLF**

**5)HIMMELSBACH, MATTHIAS**

**6)LAIB, WOLFGANG**

**7)BUTTNER, STEFAN**

**8)HOFMANN, RAINER**

(57) Abstract :

In a method for controlling at least one component (25), which consumes consumable material, of one or more machine tools (1) with numerical control devices (2) by means of the activation and deactivation of the at least one component (25) during machine tool processing operations of the one or more machine tools (1), there is provision according to the invention for the activation of the component (25) by the numerical control device (2) to be initiated in parallel with processing time before the process step of the machine tool processing operation which is next before the process step which the component (25) requires by at least the reaction/activation time (28) of the component (25), and for this process step to be established by the numerical control device (2) in accordance with the current reaction/activation time (28) of the component (25) and/or the current machine status of the machine tool (1).

No. of Pages : 26 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3581/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM FOR LOADING/UNLOADING A VEHICLE INTO/FROM A CARRIER SHIP, AND CORRESPONDING CARRIER SHIP

(51) International classification :B63B23/34  
(31) Priority Document No :09 56602  
(32) Priority Date :24/09/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/051827  
Filing Date :02/09/2010  
(87) International Publication No :WO 2011/036369  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)PEUZIAT, CHRISTIAN**  
**2)PAUGAM, BERNARD**

(57) Abstract :

The invention relates to a system for loading/unloading a vehicle into/from a carrier ship through at least one opening provided in the rear of said ship comprising an angled vehicle-receiving ramp (11) combined with a motor-driven means (12) for loading/unloading the vehicle, characterized in that the motor-driven means for loading/unloading the vehicle comprises a crossbeam-shaped means (13) for the ship that extends above the ramp (11) and is combined with a vehicle-hoisting/releasing cable (18), which is in turn combined with a first drive means (14) for hoisting/releasing the vehicle, and in that the crossbeam-shaped means (13) is longitudinally movable, by means of a second drive means (15) above the ramp (11), between a rear position for hoisting/releasing the vehicle and a front position for storing the vehicle on the ramp in the ship.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.213/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DETECTION MODULE OF ROTATION SPINDLE

(51) International classification

:G01R

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

**1)CHU, SHOU-YU**

(57) Abstract :

A rotation spindle detection module includes a magnet retainer that retains at least one precision magnet and is mounted to a rotation spindle; at least one Hall device that detects the precision magnet and is arranged at a fixed position adjacent to the magnet retainer; a circuit board that is coupled to the Hall device and forms a circuit to receive a detection signal from the Hall device. As such, components that are used to detect a rotation spindle, including a Hall device, a precision magnet, and a circuit board, are integrated in a modularized fashion so as to achieve the purposes of easy mounting of the detection module to the rotation spindle.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.256/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A METHOD FOR CONDUCTING SEARCH ON MULTIPLE USER DEVICES

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SAMSUNG INDIA SOFTWARE OPERATIONS</b>
(32) Priority Date	:NA	<b>PRIVATE LIMITED</b>
(33) Name of priority country	:NA	Address of Applicant :Bagmane Lakeview Block B No.
(86) International Application No	:NA	66/1 Bagmane Tech Park C V Raman Nagar Byrasandra
Filing Date	:NA	Bangalore 560093 Karnataka India
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)SINGH Shatrughan</b>
Filing Date	:NA	<b>2)BHARADWAJ Malur Nagendra Srivatsa</b>
(62) Divisional to Application Number	:NA	<b>3)DIKSHIT Anubhav</b>
Filing Date	:NA	<b>4)SRIVASTAVA Alok</b>

(57) Abstract :

A method for retrieving user data from various user devices and cloud database is disclosed. The method enables a user to access data stored on any of the devices that are linked to his web account by employing a cloud database server. The method maintains an index on every device linked to the user<sup>TM</sup>s account and an index on the cloud database server. When a user enters a query on one of his device the search is performed on the device index to determine if the data is present on the same device. If the data is present on the same device the result is presented to the user. If data is not present on the device a check is made if the data is maintained on the cloud index. The data from the cloud database server is extracted and presented to the user.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3479/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR HIERARCHICAL CODEBOOK DESIGN IN WIRELESS COMMUNICATION

(51) International classification :H04B7/06  
(31) Priority Document No :61/257,420  
(32) Priority Date :02/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055156  
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

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**2)FARAJIDANA Amir**  
**3)MONTJO Juan**

(57) Abstract :

A method for use in a multi-user multi-input multi-output (MU-MIMO) system includes generating a family of codebooks comprising at least one codebook set the codebook set comprising a plurality of codebooks organized base on a transmission rank and providing the family of codebooks for use in a multiple description coding (MDC) channel feedback scheme.

No. of Pages : 38 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3480/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CONTROL LINK FOR WIRELESS DISPLAY UNIT

(51) International classification :G08G1/09,  
H04H60/65  
(31) Priority Document No :12/611,798  
(32) Priority Date :03/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055157  
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

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**2)SOLIMAN Samir Salib**

**3)CHAUBEY Nishith K.**

(57) Abstract :

A method comprises establishing a session between a host and a display unit including transmitting media content according to a television broadcasting standard and implementing control traffic for the session on a bi-directional control link independent of the television broadcasting standard.

No. of Pages : 23 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3605/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : LASER ERASING APPARATUS AND LASER ERASING METHOD

(51) International classification :B41J2/32  
(31) Priority Document No :2010-203707  
(32) Priority Date :10/09/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/070415  
Filing Date :01/09/2011  
(87) International Publication No :WO 2012/033146  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)YAMAMOTO, KAZUTAKA**

(57) Abstract :

A laser erasing apparatus includes a conveyance unit to move a reversible thermal recording medium having display information thereon at a predetermined moving speed, the reversible thermal recording medium reversibly changing a color tone thereof depending on a temperature; and a laser erasing unit configured to erase the display information by irradiating the reversible thermal recording medium with a laser beam while the reversible thermal recording medium is moving and by deflecting the laser beam at a predetermined scanning speed lower than the predetermined moving speed in a same direction as a moving direction of the reversible thermal recording medium

No. of Pages : 56 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3606/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : MULTI-STAGE DIAPHRAGM SUCTION PUMP

(51) International classification :F04B19/00  
(31) Priority Document No :10 2009 043 644.8  
(32) Priority Date :29/09/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/005061  
Filing Date :18/08/2010  
(87) International Publication No :WO 2011/038807  
A8  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)BECKER, ERICH**  
**2)HAUSER, ERWIN**

(57) Abstract :

A multi-stage diaphragm suction pump, comprising at least two pump chambers, each having a fluid inlet having at least one inlet valve, and a fluid outlet having at least one outlet valve, and a suction line, which connects the fluid inlets of the pump chambers. Consecutive pump chambers are connected to each other by at least one connection line such that, when a differential pressure in the suction line is reached/exceeded, the diaphragm pump changes from parallel operation of the pump chambers thereof to an operating mode of the pump chambers that is at least also serial. At least one check valve, which opens to the downstream pump stage, is interposed in each of the inflow and outflow regions of the at least one connection line. In order to optimize the pump characteristic of such a diaphragm suction pump, at least in one pump chamber, either in order to improve the intake pressure the suction-side opening of the at least one connection line, or in order to improve the suction capacity the pressure-side opening of the at least one connection line, is disposed in the region of the pump chamber, or in the vicinity of the region of the pump chamber, on which the diaphragm associated with said pump chamber rolls off first during a pump cycle. In addition, or instead, according to a further embodiment at least one connection line, in particular between successive pump chambers, has a descending line progression and, for this purpose, compared to the outflow-side line segment, the inflow-side . line segment of the at least one connection line is arranged at a higher level.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3368/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : IMPROVED PROCESS FOR PRODUCING A SHAPED FOAM ARTICLE

(51) International classification :B29C44/56  
(31) Priority Document No :61/252,405  
(32) Priority Date :16/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/048847  
Filing Date :15/09/2010  
(87) International Publication No :WO 2011/046698 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)MITTAG, MATTHEW**  
**3)FITING, CASEY**  
**4)SCHUETTE, CHAD**  
**5)SAGNARD, ALAIN**

(57) Abstract :

The invention relates to an improved method of cold forming a shaped foam article wherein the improvement is using a near netshaped foam blank cut from a foam plank having a vertical compressive balance equal to or greater than 0.4 to produce the shaped foam article.

No. of Pages : 37 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3489/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AXIAL-RADIAL TURBOMACHINE

(51) International classification	:F04D17/02, F01D25/24
(31) Priority Document No	:10 2009 029 647.6
(32) Priority Date	:21/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2010/050030
Filing Date	:25/05/2010
(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 :**

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**2)RICHTER Arno**

(57) Abstract :

The invention relates to an axial-radial turbomachine (1), comprising: an axial part (10) having at least one axial stage (11), a radial part (20) having at least one radial stage (21), a housing (30) having an interior space, which is divided in an axial direction by a partition (401) extending in a radial direction into a first sub-space (31), in which the axial part is accommodated, and a second sub-space (32), in which the radial part is accommodated, and a shaft (50), which extends in the axial direction through the interior space and the partition and on which rotors (12, 22) of the axial part and of the radial part are accommodated, wherein a radial gap (RS) is formed between the partition and a fluid guiding element (23) of the radial part that is adjacent to the partition and axially fixed on the housing, and wherein a plurality of fixing units (60) distributed in a circumferential direction is arranged in the radial gap, the fixing units axially fixing the partition on the fluid guiding element.

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3490/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : NEW BENZATHINE SALTS OF ACE INHIBITORS, PROCESS FOR THEIR PREPARATION AND THEIR USE FOR THE TREATMENT OF CARDIOVASCULAR DISEASES

(51) International classification :A61K31/403,  
A61K31/401  
(31) Priority Document No :P-200900255  
(32) Priority Date :21/09/2009  
(33) Name of priority country :Slovenia  
(86) International Application No :PCT/SI2010/000052  
Filing Date :17/09/2010  
(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

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(72)**Name of Inventor :**  
**1)RUCHMAN Rudolf**  
**2)ZUPET Pavel**

(57) Abstract :

The present invention describes new salts of ACE inhibitors with N,N-dibenzylethylenediamine (abbr.: benzathine salts), a process for their preparation in crystal and amorphous forms by the reaction of two moles of ACE inhibitors with one mole of N,N-dibenzylethylenediamine, a process for the preparation of pharmaceutical formulations containing these salts and their use for the treatment of cardiovascular diseases.

No. of Pages : 43 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3492/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HYDROCARBON GAS PROCESSING

(51) International classification :F25J3/00  
(31) Priority Document No :61/244,181  
(32) Priority Date :21/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/046953  
Filing Date :27/08/2010  
(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

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**2)LYNCH Joe T.**  
**3)MARTINEZ Tony L.**  
**4)HUDSON Hank M.**  
**5)CUELLAR Kyle T.**

(57) Abstract :

A process for recovering ethane, ethylene, and heavier hydrocarbon components from a hydrocarbon gas stream is disclosed. The stream is cooled and divided into first and second streams. The first stream is further cooled to condense substantially all of it and expanded to the fractionation tower pressure, heated, and supplied to the fractionation tower at an upper mid-column feed position. The second stream is expanded to the tower pressure and supplied to the column at a mid-column feed position. A distillation vapor stream is withdrawn from the column above the feed point of the second stream and directed into heat exchange relation with the expanded cooled first stream and the tower overhead vapor stream to cool the distillation vapor stream and condense at least a part of it, forming a condensed stream. At least a portion of the condensed stream is directed to the fractionation tower as its top feed.

No. of Pages : 96 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3615/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : WATER-DISPERSIBLE, CYCLOCARBONATE-FUNCTIONALIZED VINYL COPOLYMER SYSTEM

(51) International classification :C08F220/18

(31) Priority Document No :09171362.8

(32) Priority Date :25/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/061756  
Filing Date :12/08/2010

(87) International Publication No :WO 2011/035982  
A1

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)WALTHER, BURKHARD**

**3)MEZGER, JOCHEN**

**4)STAUDHAMER, ROSITA**

(57) Abstract :

A water-dispersible, cyclocarbonate-functionalized vinyl copolymer binder, a process for the preparation of the binder, an aqueous dispersion containing the binder, a system comprising the binder, water and an (amine) curing agent and the use of the binder for the production of a hardened coating are proposed. It was surprisingly found that this binder, in which the emulsifier groups according to the invention are incorporated in the polymer chain, gives stable aqueous dispersions having a solids content of up to 30% by weight.

No. of Pages : 19 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3374/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SHIFT REGISTER, SCANNING SIGNAL LINE DRIVE CIRCUIT PROVIDED WITH SAME, AND DISPLAY DEVICE

(51) International classification	:G11C19/28	(71)Name of Applicant :
(31) Priority Document No	:2009-252688	<b>1)SHARP KABUSHIKI KAISHA</b>
(32) Priority Date	:04/11/2009	Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU, OSAKA-SHI, OSAKA 545-8522 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:PCT/JP2010/061945	<b>1)IWAMOTO, AKIHISA</b>
Filing Date	:15/07/2010	<b>2)MORII, HIDEKI</b>
(87) International Publication No	:WO 2011/055570	<b>3)MIZUNAGA, TAKAYUKI</b>
	A1	<b>4)IKUTA, KEI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A shift register is implemented that can switch between scanning orders of scanning signal lines, while suppressing an increase in a circuit area, an increase in current consumption, and a shortage of charge to a pixel capacitance. Each stage that constitutes a shift register (410) includes an output-control thin-film transistor for increasing a potential of a scanning signal based on a first clock (CKA), two thin-film transistors for increasing a potential of a first node connected to a gate terminal of the output-control thin-film transistor, based on a scanning signal outputted from a pre-stage/a latter stage, and two thin-film transistors for decreasing a potential of the first node, based on a scanning signal outputted from a third stage after/a third stage before a stage concerned. The shift register (410) operates based on four-phase clock signals, including two-phase clock signals (GCK1, GCK3) that are provided to odd-order stages and two-phase clock signals (GCK2, GCK4) that are provided to even-order stages, of which phases are shifted by 90 degrees from each other.

No. of Pages : 119 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3501/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : PREPARATION OF MESOPOROUS AND MACROPOROUS SILICA GEL

(51) International classification	:B01J20/10, B01J20/26
(31) Priority Document No	:09171086.3
(32) Priority Date	:23/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/064034
Filing Date	:23/09/2010
(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

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(72)**Name of Inventor :**

**1)EVERDAHL Thomas**

(57) Abstract :

The present application discloses a process for preparing silica particles said process comprising the step of mixing (i) an aqueous phase and (ii) an oily phase comprising prepolymerized tetraalkoxy orthosilicate one or more alcohols and optionally one or more polyalkylene glycols wherein said aqueous phase comprises in an aqueous solvent one or more C60-alkyl modified polysaccharides and optionally one or more polyalkylene glycols.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3620/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : LIQUID CRYSTAL DISPLAY DEVICE

(51) International classification :G02F1/1368  
(31) Priority Document No :2009-221393  
(32) Priority Date :25/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/064609  
Filing Date :27/08/2010  
(87) International Publication No :WO 2011/036975  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)YAMASHITA, YUKI**  
**2)SHOHRAKU, AKIHIRO**  
**3)TAKEUCHI, MASANORI**

(57) Abstract :

In the liquid crystal display device (100) of this invention, pixels include m kinds of (where m is an even number and  $m \neq 4$ ) pixels (R, G, B and Y) that display different colors. The pixels are arranged so that n of the m kinds of pixels (where n is an even number,  $n \neq m$  and n is a divisor of m) are repeatedly arranged in the same order in the row direction. Each row of pixels formed by those pixels includes groups of pixels, to each of which n pixels arranged consecutively in the row direction belong. Grayscale voltages of opposite polarities are applied through associated signal lines (13) to the pixel electrodes (11) of two arbitrary adjacent pixels in each group of pixels. In two arbitrary groups of pixels that are adjacent in the row direction, grayscale voltages of opposite polarities are applied through their associated signal lines to the pixel electrodes of pixels that display the same color. The signal lines include at least one pair of adjacent signal lines (13p) to supply grayscale voltages of the same polarity. The source-drain capacitance of the pixels located between the pair of signal lines is smaller than that of the other pixels. The present invention can improve the display quality of a liquid crystal display device, of which each picture element is defined by an even number of pixels.

No. of Pages : 97 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3623/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : DETECTION APPARATUS FOR DETECTING CHARGED PARTICLES, METHODS FOR DETECTING CHARGED PARTICLES AND MASS SPECTROMETER

(51) International classification :H01J49/02  
(31) Priority Document No :0918629.7  
(32) Priority Date :23/10/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/EP2010/065658  
Filing Date :18/10/2010  
(87) International Publication No :WO 2011/048060  
A2  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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BREMEN Germany  
(72)**Name of Inventor :**  
**1)MAKAROV, ALEXANDER**  
**2)GIANNAKOPULOS, ANASTASSIOS**

(57) Abstract :

The invention provides a detection apparatus for detecting charged particles comprising: a secondary particle generator for generating secondary charged particles in response to receiving incoming charged particles; a charged particle detector for receiving and detecting secondary charged particles generated by the secondary particle generator; a photon generator for generating photons in response to receiving secondary charged particles generated by the secondary particle generator; and a photon detector for detecting the photons generated by the photon generator. Also provided are a mass spectrometer comprising the detection apparatus, use of the detection apparatus in TOF mass spectrometry and a method of improving the dynamic range of detection for a TOF mass spectrometer.

No. of Pages : 74 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3378/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A LINKAGE SYSTEM FOR A FORKLIFT TRUCK

(51) International classification :B66F9/12  
(31) Priority Document No :S2009/0712  
(32) Priority Date :18/09/2009  
(33) Name of priority country :Ireland  
(86) International Application No :PCT/EP2010/063815  
Filing Date :20/09/2010  
(87) International Publication No :WO 2011/033111  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)O'KEEFFE, ERIC**

(57) Abstract :

Forklift truck (100) includes a linkage system (300) which comprises first link arm (1) pivotally connected at one end to roller (1.4) at point (1.1) which is vertically movable within channel (6.1) of mounting carriage/member (6), and to forks (4) at the opposite end via fork carriage (5) at pivot point (1.3). Second link arm (2) is pivotally connected to first link arm (1) at pivot point (1.2). The opposite end of second link arm (2) is pivotally connected to mounting carriage/member (6) at pivot point (2.1). Pivot points (1.1) and (2.1) are positioned on or near the centre line of channel (6.1). The tilt angle of forks (4) and fork carriage (5) is restricted by link arm (3) which is pivotally connected at one end to second link arm (2) at pivot point (3.2) and pivotally connected at the opposite end to fork carriage (5) at pivot point (3.1). During operation link arm (3) forces fork carriage (5) to rotate about pivot point (1.3) to compensate for the continuously changing angle of first link arm (1) while maintaining a generally fixed angle to channel (6.1) thus ensuring forks (4) remain substantially horizontal throughout the movement of the linkage system.

No. of Pages : 38 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3379/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SOLAR TRACKER DEVICE AND SYSTEM

(51) International classification	:G01S3/786
(31) Priority Document No	:61/243,309
(32) Priority Date	:17/09/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IL2010/000761
Filing Date	:16/09/2010
(87) International Publication No	:WO 211/033512 A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)VILLARET, YVES**

(72)**Name of Inventor :**

**1)VILLARET, GAL**

**2)VILLARET, YVES**

(57) Abstract :

A solar tracker device continuously captures sun rays to be redirected towards a target. The device includes a mirror defining a center point and fixedly mounted to a heliostat, an imaging device having an optical axis passing through the mirror center point, an electronic board, and a partly transparent dome extending between the imaging device and the target. When sun rays penetrate said dome, the mirror reflects rays toward the dome and a portion are reflected back by the dome to the imaging device to form an image of the mirror center point. An image of the fixed target is formed on the imaging device through the dome and defines an image of the target. Whenever the images of the mirror and the target center are not in coincidence, the electronic board is activated to rotate the heliostat reflecting surface toward an orientation for which coincidence is obtained.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3503/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HEAT EXCHANGER AND AIR CONDITIONER INCORPORATING SAME

(51) International classification	:F25B49/02, F28F1/02
(31) Priority Document No	:2009-240332
(32) Priority Date	:19/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/065922
Filing Date	:15/09/2010
(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

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(72)**Name of Inventor :**  
**1)MISHIRO Kazuhisa**  
**2)SUZUKI Masakazu**

(57) Abstract :

A heat exchanger (1) includes: two vertical header pipes (2 3) which are arranged apart in parallel; a plurality of flat tubes (4) which are arranged between the header pipes and in which refrigerant passages (5) provided therewithin communicate with an interior of the header pipes; and corrugated fins (6) which are arranged between the flat tubes. The flat tubes are configured to form one or more turns. In the header pipe on the refrigerant piping connection side a temperature sensor (11) for sensing the temperature of a refrigerant is arranged at a location through which the refrigerant in a gas-liquid two-phase state flows. The temperature sensor is attached to the header pipe with a metal fitting (12).

No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3504/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MODULATORS OF HEPATOCYTE GROWTH FACTOR ACTIVATOR

(51) International classification	:C07K16/40, A61K39/395
(31) Priority Document No	:61/252,973
(32) Priority Date	:19/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/053054
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

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(57) Abstract :

The invention provides methods and compositions for modulating hepatocyte growth factor activator function

No. of Pages : 132 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3626/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : RESOURCE ALLOCATION METHOD AND DEVICE IN COMMUNICATION NETWORK

(51) International classification :H04W72/04  
(31) Priority Document No :200910207777.4  
(32) Priority Date :30/10/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/078191  
Filing Date :28/10/2010  
(87) International Publication No :WO 2011/050729 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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TOKYO 108-0075 Japan  
(72)**Name of Inventor :**  
**1)YUXIN WEI**

(57) Abstract :

The present invention provides a resource allocation method and device in a communication network. Said method includes: determining the carrier aggregation (CA) mode of the communication network; and selecting a resource allocating mode for the communication network according to the CA mode of the communication network. The method can select different resource scheduling modes according to different CA scenarios, thereby providing system frequency diversity gain and multi-user diversity gain.

No. of Pages : 37 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3510/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DETECTOR SYSTEM

(51) International classification	:G01S13/536, G01S7/02
(31) Priority Document No	:12/590,145
(32) Priority Date	:02/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/055019
Filing Date	:01/11/2010
(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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**1)STEWART Christopher E.**

**2)MOULTON Grant E.**

**3)GOODY Steven H.**

(57) Abstract :

Detector system has a first detector configured to detect a first high-frequency signal Having amplitude-modulated (AM) noise to produce a first detected signal having at least a first detected AM noise signal component and a demodulated signal component and a second detector configured to detect a second high-frequency signal having the AM noise to produce a second detected signal having at least a second detected AM noise signal component. An algebraic combining network combines the first detected signal and the second detected signal to cancel the first detected AM noise signal component with the second detected AM noise signal component to produce an output signal including the demodulated signal component.

No. of Pages : 55 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3630/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : DETECTION APPARATUS FOR DETECTING CHARGED PARTICLES, METHODS FOR DETECTING CHARGED PARTICLES AND MASS SPECTROMETER

(51) International classification :H01J49/02  
(31) Priority Document No :0918630.5  
(32) Priority Date :23/10/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/EP2010/065659  
Filing Date :18/10/2010  
(87) International Publication No :WO 2011/048061  
A2  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)MAKAROV, ALEXANDER**  
**2)GIANNAKOPOULOS, ANASTASSIOS**

(57) Abstract :

The invention provides a detection apparatus for detecting charged particles comprising: a charged particle detector for receiving and detecting either incoming charged particles or secondary charged particles generated from the incoming charged particles; a photon generator for generating photons in response to receiving at least some of the same incoming charged particles or secondary charged particles generated from the incoming charged particles as are received and detected by the charged particle detector; and a photon detector for detecting photons generated by the photon generator. Also provided are a mass spectrometer comprising the detection apparatus, use of the detection apparatus in TOF mass spectrometry and a method of improving the dynamic range of detection for a TOF mass spectrometer.

No. of Pages : 73 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3631/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SURFACE PREPARATION UNIT FOR METAL STRIPS PROCESSING LINES

(51) International classification :C25F7/00  
(31) Priority Document No :MI2009A001681  
(32) Priority Date :30/09/2009  
(33) Name of priority country :Italy  
(86) International Application No :PCT/IB2010/002402  
Filing Date :24/09/2010  
(87) International Publication No :WO 2011/039596  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)GUARIENTO, FAUSTO**

(57) Abstract :

A surface preparation unit for metal strips processing lines comprises a tank (12), suitable to contain an electrolyte solution, a system for the suspension/submersion of a strip (11) to be treated, which is continuously fed into the tank (12) in longitudinal direction (F) , a plurality of electrode cells (20) comprising upper and lower electrodes (21) respectively made up of upper and lower armatures (22) facing the two larger surfaces of the strip (11) and spaced there from respectively by a distance called upper gap and lower gap, such electrodes (21) being connected to an electrical power supply system (34) , wherein the tank (12) is shaped at the bottom to form successive hoppers (26), wherein at each of the electrode cells (20) there is provided a hopper (26) which ends with devices (27) for evacuating the waste material in form of undissolved scale, which deposits at the bottom in form of sludge.

No. of Pages : 28 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3632/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : AQUEOUS FORMULATIONS INCLUDING DIOXOLANES AS COUPLING AGENTS

(51) International classification :C08K5/1565  
(31) Priority Document No :FR0957458  
(32) Priority Date :23/10/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/IB2010/002705  
Filing Date :22/10/2010  
(87) International Publication No :WO 2011/048481  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)BONIFACIO, DANIELA, HAUFFE**  
**2)VICENTIM, DENILSON, JOSE**  
**3)GARBELOTTO, PAULO, ROBERTO**

(57) Abstract :

The present invention relates in general terms to aqueous coating formulations including a polymer resin, an inorganic filler and a dioxolane as a coupling agent. The invention specifically relates to aqueous paint formulas including certain dioxolanes as coupling agents.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3633/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : MICROORGANISMS FOR THE PRODUCTION OF ANILINE

(51) International classification :C12N15/74

(31) Priority Document No :61/254,630

(32) Priority Date :23/10/2009

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

(86) International Application No :PCT/US2010/053853

Filing Date :22/10/2010

(87) International Publication No :WO 2011/050326 A1

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)**Name of Inventor :**

**1)PHARKYA, PRITI**

(57) Abstract :

A non-naturally occurring microbial organism having an aniline pathway includes at least one exogenous nucleic acid encoding an aniline pathway enzyme expressed in a sufficient amount to produce aniline. The aniline pathway includes (1) an aminodeoxychorismate synthase, an aminodeoxychorismate lyase, and a 4-aminobenzoate carboxylase or (2) an anthranilate synthase and an anthranilate carboxylase. A method for producing aniline, includes culturing these non-naturally occurring microbial organisms under conditions and for a sufficient period of time to produce aniline.

No. of Pages : 48 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.123/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : 'INTEGRAL TURBINE' OF SATELLITE SERVER

(51) International classification :B64G

(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 :1171/CHE/2007

Filed on :07/06/2007

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(72)**Name of Inventor :**

**1)A.G.B. VETRIVEL**

(57) Abstract :

This is used by MASS MEDIUM (Multiple Access System Source of Media Equipments Digital Information of Universe Momentum!) Science and Technology!. And the Process Technical Method

No. of Pages : 5 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.139/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :12/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MANAGING DATA PATHS BETWEEN COMPUTER APPLICATIONS AND DATA STORAGE DEVICES

(51) International classification

:H04L

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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**2)Mohammed Sakhavullah**

**3)Vamsi Penumatsa**

(57) Abstract :

Provided is a computer-implemented method of managing data paths between a computer application and a storage device. The I/O (input/output) load data of a computer application is obtained. If the I/O load data of the computer application is above a pre-determined threshold data paths are provisioned between the computer application and the storage device based on a pre-defined policy applicable to the computer application.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.291/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN EXHAUST DIFFUSER FOR STEAM TURBINES

(51) International classification	:F01D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Triveni Turbine Limited</b>
(32) Priority Date	:NA	Address of Applicant :12A Peenya Industrial Area
(33) Name of priority country	:NA	Bangalore Manipurr India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Chegunti Suresh</b>
(87) International Publication No	: NA	<b>2)Suryawanshi Prashant Yuvraj</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An exhaust diffuser for steam turbines having an inlet area of 2.0 m<sup>2</sup> and exit area of 3.15 m<sup>2</sup> is disclosed as shown in figure 7 wherein the problem of recirculation at the flow direction changing edges of the diffuser is solved by providing a chamfer or fillet at the respective edges. As a result a simple exhaust diffuser having a pressure recovery of 10% without recirculation is achieved.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3398/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AMINOPROPENOATES AS FUNGICIDES

(51) International classification :A01N43/36, C07D213/57		(71)Name of Applicant : <b>1)BAYER CROPSCIENCE AG</b> Address of Applicant :Alfred-Nobel-Str. 50 40789 Monheim Germany
(31) Priority Document No	:09173304.8	(72)Name of Inventor :
(32) Priority Date	:16/10/2009	<b>1)DUBOST Christophe</b>
(33) Name of priority country	:EPO	<b>2)VIDAL Jacky</b>
(86) International Application No	:PCT/EP2010/065161	<b>3)RINOLFI Philippe</b>
Filing Date	:11/10/2010	<b>4)GROSJEAN-COURNOYER Marie-Claire</b>
(87) International Publication No	: NA	<b>5)ES-SAYED Mazen</b>
(61) Patent of Addition to Application Number	:NA	<b>6)BENTING J¶rgen</b>
Filing Date	:NA	<b>7)WACHENDORFF-NEUMANN Ulrike</b>
(62) Divisional to Application Number	:NA	<b>8)NARABU Shinichi</b>
Filing Date	:NA	<b>9)ISHIKAWA Koichi</b>
		<b>10)HADANO Hiroyuki</b>
		<b>11)GENIX Pierre</b>
		<b>12)VORS Jean-Pierre</b>
		<b>13)BECKER Angela</b>
		<b>14)G-RGENS Ulrich</b>

(57) Abstract :

The present invention relates to anilnopropenoate derivatives their process of preparation intermediate compounds their use as fungicide active agents particularly in the form of fungicide compositions and methods for the control of phytopathogenic fungi notably of plants and in material protecion using these compounds or compositions.

No. of Pages : 142 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3399/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CONTROL OF PUFF PROFILE

(51) International classification	:A24B15/16, A24B15/28
(31) Priority Document No	:0918129.8
(32) Priority Date	:16/10/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/051738
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

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(72)Name of Inventor :

**1)WOODCOCK Dominic**

**2)MURPHY James**

(57) Abstract :

The invention relates to heat not burn products comprising an encapsulated aerosol generating agent the encapsulation having the effect of controlling the release of the agent during use of the heat not burn product. The encapsulation will control the timing of the release of the aerosol generating agent during the use of the heat not burn product to allow greater control of the puff yield. In the case of some aerosol generating agents the encapsulation may also increase the stability of the agent and/or prevent its migration within the product.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3658/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING A MOBILE TERMINAL BROWSER

(51) International classification :G06F 3/048  
(31) Priority Document No :201010000833.X  
(32) Priority Date :19/01/2010  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/080055  
Filing Date :21/12/2010  
(87) International Publication No :WO 2011/088717 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED**  
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(72)**Name of Inventor :**  
**1)XIANG, WEIJIA**  
**2)JI, YU**  
**3)SU, CHUNSHAN**

(57) Abstract :

Disclosed are a method and an apparatus for controlling a mobile terminal browser. The method includes: obtaining an acceleration of a movement of a mobile terminal detected by a detecting element; parsing the acceleration to obtain an expected movement direction of the mobile terminal; obtaining a browsing operation matching the expected movement direction according to a corresponding relationship between movement directions and different browsing operations; executing the browsing operation on the mobile terminal. By the present invention, a user may browse a webpage through the detecting element without touching the phone.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3659/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MOTOR CONTROL DEVICE

(51) International classification	:H02P6/18
(31) Priority Document No	:2009-224339
(32) Priority Date	:29/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066304
Filing Date	:21/09/2010
(87) International Publication No	:WO 2011/040283
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SHARP KABUSHIKI KAISHA**

Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU, OSAKA-SHI, OSAKA 545-8522 Japan

(72)Name of Inventor :

**1)KAMEYAMA, HIROYUKI**

(57) Abstract :

A zero-cross detection unit (30) monitors an AC voltage detected by a voltage sensor (32), generates a zero-cross point signal when the voltage crosses OV, and supplies the signal to a controller (7). A rotation number setting unit (12) of the controller (7) sets a rotation number command to serve as a target of a synchronous motor (1). A rotation number correction coefficient data table (17) stores correction coefficient data for a target rotation number. A correction coefficient data extraction unit (16) extracts correction coefficient data in accordance with an elapsed time of the zero-cross point signal generated by the zero-cross detection unit (30) from a rotation number correction coefficient data table, and outputs the data to a corrected rotation number creation unit (18). The corrected rotation number creation unit (18) corrects the rotation number set by the rotation number setting unit (12) in accordance with the extracted correction coefficient data, and outputs the corrected rotation number to a sine wave data creation unit (14).

No. of Pages : 33 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3406/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : POWER SUPPLY SYSTEM FOR A BUILDING

(51) International classification :H02G3/00,  
H02G3/08  
(31) Priority Document No :12/553,893  
(32) Priority Date :03/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047889  
Filing Date :03/09/2010  
(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 :**

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Alameda CA 94501 U.S.A.

(72)**Name of Inventor :**

**1)BROWNLEE Michael**

(57) Abstract :

An electrical system which includes a light switch housing and an AC-to-DC converter carried by the light switch housing. The electrical system includes an input power line which provides an AC signal to an input of the converter and an output power line coupled to an output of the converter. An electrical device operates in response to receiving an output signal from the output power line wherein the output signal is a DC signal.

No. of Pages : 58 No. of Claims : 23



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3407/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : RENDERING A WEB PAGE COMPRISING PLUG-IN CONTENT

(51) International classification :G06F17/30  
(31) Priority Document No :09176571.9  
(32) Priority Date :20/11/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/IB2010/055186  
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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Address of Applicant :GROENEWOUDSEWEG 1  
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(72)**Name of Inventor :**  
**1)QUAEDVLIEG Christian Maria Johannes Armand**  
**2)DE VRIES Michel**

(57) Abstract :

A method and system are described of rendering a web page comprising plug-in content. A predetermined operation is performed for only the visible plug-in content and the non-visible plug-in content is ignored. The predetermined operation is either the step of enabling a user to select the plug-in content (130) or the step of automatically playing the plug-in content (155).

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

(54) Title of the invention : LIGHT EMITTING PANEL DEVICE WHEREIN A PLURALITY OF PANELS PERSPECTIVELY HAVING LIGHT EMITTING SECTIONS ARE CONNECTED, AND IMAGE DISPLAY DEVICE AND ILLUMINATING DEVICE PROVIDED WITH THE LIGHT EMITTING PANEL DEVICE

(51) International classification	:G09F9/40	(71)Name of Applicant :
(31) Priority Document No	:2009-234346	<b>1)SHARP KABUSHIKI KAISHA</b>
(32) Priority Date	:08/10/2009	Address of Applicant :22-22, NAGAIKE-CHO, ABENO-
(33) Name of priority country	:Japan	KU, OSAKA-SHI, OSAKA 545-8522 Japan
(86) International Application No	:PCT/JP2010/058560	(72)Name of Inventor :
Filing Date	:20/05/2010	<b>1)FUJITA, YOSHIMASA</b>
(87) International Publication No	:WO 2011/043099	<b>2)OGATA, HIDENORI</b>
	A1	<b>3)OKAMOTO, KEN</b>
(61) Patent of Addition to Application		<b>4)KOBAYASHI, YUHKI</b>
Number	:NA	<b>5)YAMADA, MAKOTO</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

Panel (11) of the present invention includes substrate (12) having flat surface (12a) having rectangular display section (13), and adjacent surface (12b) curved from an edge part of surface (12a) in the vicinity of a long side of surface (12a). On surface (12b), terminals, extending from display section (13) (in the vicinity of the long side), are arranged. Edge parts of surfaces (12a) of substrates (12) of adjacent panels (11) are combined so that longitudinal directions of light-emitting sections (13) are parallel to each other. Surface (12b) projects on a back surface side of substrate (12). It is thus possible to provide a light-emitting panel device realizing a large light-emitting surface by combining a desired number of panels, an image display device including the light-emitting panel device, an illumination device including the light-emitting panel device, a panel in the light-emitting panel device, and a method of producing the panel.

No. of Pages : 124 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3661/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MIXING APPARATUS OF COMBUSTIBLE GAS AND COMBUSTION SUPPORTING GAS

(51) International classification :B01F3/02  
(31) Priority Document No :2009-226837  
(32) Priority Date :30/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/067303  
Filing Date :27/09/2010  
(87) International Publication No :WO 2011/040618  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)SUMITOMO CHEMICAL COMPANY, LIMITED**  
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CHUO-KU, TOKYO 104-8260 Japan  
(72)**Name of Inventor :**  
**1)HATANO, RYO**  
**2)SHIMADA, NAOKI**  
**3)MIYATA, EISABURO**

(57) Abstract :

A mixing apparatus (IOA) comprises a tubular mixing section (1) for mixing a combustible gas and a combustion supporting gas; a combustible gas supply port at one end (1a); a combustible gas transport device (3) for supplying the combustible gas into the tubular mixing section (1) from the combustible gas supply port; a mixed gas outlet port of the combustible gas and the combustion supporting gas at the other end (1b); and a combustion supporting gas supply tube (5) connected to the tubular mixing section (1) between the one end (1a) and the other end (1b) for supplying the combustion supporting gas into the tubular mixing section (1) from a combustion supporting gas supply port (5a). The combustible gas transport device (3) can control a flow velocity of the combustible gas at the combustion supporting gas supply port (5a) not less than a combustion velocity of the mixed gas.

No. of Pages : 82 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3662/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : LIQUID CRYSTAL DISPLAY PANEL

(51) International classification :G02F1/1339  
(31) Priority Document No :2009-228586  
(32) Priority Date :30/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/060379  
Filing Date :18/06/2010  
(87) International Publication No :WO 2011/040097  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)SHARP KABUSHIKI KAISHA**  
Address of Applicant :22-22, NAGAIKE-CHO, ABENO-KU, OSAKA-SHI, OSAKA 545-8522 Japan  
(72)**Name of Inventor :**  
**1)YOSHIDA, TAKEHISA**  
**2)KATAGAMI, MASAYUKI**  
**3)BAN, ATSUSHI**

(57) Abstract :

The present invention provides a liquid crystal display panel provided with a laminate spacer including a plurality of primary color filters which can avoid deterioration of the display quality and improve the production efficiency. The liquid crystal display panel of the present invention comprises: an array substrate provided with a first electrode; a color filter substrate provided with a second electrode; and a liquid crystal layer sandwiched between the array substrate and the color filter substrate, wherein the color filter substrate further includes: four or more differently colored transparent layers, the colors of which include red, green, blue, and at least one of yellow and white; and a laminate spacer formed by the second electrode and at least two layers among the four or more differently colored transparent layers, and the laminate spacer is surrounded by the yellow or white transparent layer when viewed in a plan view.

No. of Pages : 34 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3417/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AUTOSTEREOSCOPIC DISPLAY DEVICE

(51) International classification :H04N13/00

(31) Priority Document No :09174882.2

(32) Priority Date :03/11/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/IB2010/054857

Filing Date :27/10/2010

(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)VAN DER HORST Jan**

**2)KUIJPERS Henricus Joseph Cornelus**

(57) Abstract :

An autostereoscopic display device has the display output provided over at least two sub-frames with different pixel elements operated in the different sub-frames. In this way a higher resolution or increased number of views is built up in a time-sequential manner.

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3418/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYSTEM AND METHOD OF MONITORING BREATHING

(51) International classification	:A61B5/08, A61B5/091
(31) Priority Document No	:61/257547
(32) Priority Date	:03/11/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/054599
Filing Date	:11/10/2010
(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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(72)**Name of Inventor :**  
**1)ORR Joseph Allen**  
**2)JAFJE Michael Brian**

(57) Abstract :

Sidestream sampling of gas to determine information related to the composition of gas at or near the airway of a subject is implemented. From such information one or more breathing parameters of subject 12 (e.g. respiratory rate end-tidal CO2 etc.) are determined respiratory events (e.g. obstructions apneas etc.) are identified equipment malfunction and/or misuse is identified and/or functions are performed. To improve the accuracy of one or more of these determinations information related to pressure at or near the airway of subject is implemented. This information may include detection of pressure at or near a sidestream sampling cell.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3419/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DETECTOR UNIT FOR DETECTING ELECTROMAGNETIC RADIATION

(51) International classification	:G01T1/24, H04N5/32
(31) Priority Document No	:09174859.0
(32) Priority Date	:03/11/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/054863
Filing Date	:27/10/2010
(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)SIMON Matthias**  
**2)RUETTEN Walter**

(57) Abstract :

According to an exemplary embodiment of the invention a detector unit 301 for detecting electro-magnetic radiation may be provided. The detector unit 301 may comprise a conversion material 332 adapted for converting impinging electro-magnetic radiation into electric charge carriers. Moreover the detector unit 301 may comprise a charge collection electrode 331 adapted for collecting the converted electric charge carriers and an evaluation circuit 312 313 314 adapted for evaluating the electro-magnetic radiation based on the collected electric charge carriers. Moreover the detector unit 301 may comprise a semiconductor 373 which may be electrically coupled between the charge collection electrode 331 and the evaluation circuit 312 313 314.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3674/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : VEHICLE INTERIOR MATERIAL

(51) International classification :B60R13/02  
(31) Priority Document No :2009-231699  
(32) Priority Date :05/10/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/061909  
Filing Date :14/07/2010  
(87) International Publication No :WO 2011/043117  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)SHIMIZU, TOSHIMITSU**  
**2)YOSHIDA, SEIJI**

(57) Abstract :

A vehicle interior material of the present invention is a vehicle interior material that is disposed in a lower side of windshield glass inside a compartment and includes a grain structure including a concavity and a convexity on the upper face thereof, the vehicle interior material including at the convexity of the grain structure, a diffuse reflection face that is inclined with respect to a general upper face of the grain structure.

No. of Pages : 21 No. of Claims : 3



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3675/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPLIANCE FOR THE DETECTION OF CURRENT DISCONTINUITY IN SWITCHED ELECTRICAL POINT OF AN ALTERNATING NETWORK

(51) International classification :G01R31/02  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/GR2010/000047  
Filing Date :22/10/2010  
(87) International Publication No :WO/2011/048436  
(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 :37 DARDANELION STR., 165 62  
GLYFADA ATTIKIS, GREECE  
(72)**Name of Inventor :**  
**1)KATSOULIS, ALEXANDER**

(57) Abstract :

Method and appliance which detects if the interruption of current to an electrified load which is connected to a switched electrified point of an alternating network was by the user volition, or is due to a general electrical blackout, or if there was no interruption of electrification. With the aid of a microcontroller, the network voltage is calculated and then, by measuring period T, existence of rectification is calculated, in order to determine the status of switch (3), namely if half sine period is detected the switch is open and if a full sine period is detected the switch is closed, both cases with user volition, without the occurrence of a general electrification blackout, in which case the command is executed via the existing AC load control relay (25), while battery (9) always remains in charge mode, while if it is detected that the Period is equal to infinity, then there has been a general electrical blackout, operation is switched into rechargeable battery (9) operation and external load (13) is connected via power circuit (12).

No. of Pages : 31 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3487/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : GROUP OWNER SELECTION WITH CROSSING REQUESTS

(51) International classification	:H04L29/06, H04L29/08
(31) Priority Document No	:61/252,052
(32) Priority Date	:15/10/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/052600
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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Address of Applicant :Attn: International IP Administration  
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U.S.A.

(72)**Name of Inventor :**

**1)WENTINK Maarten Menzo**

(57) Abstract :

A method of operating an apparatus and apparatus and a computer program product in an apparatus are provided in which a first request message is sent to a second apparatus. The first request message is associated with first information. In addition a second request message is received from the second apparatus. The second request message is associated with second information. In addition the first information and the second information are compared. Furthermore whether to send a response to the second apparatus in response to the second request message is determined based on the comparison of the first information and the second information.

No. of Pages : 32 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3611/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : ANION EXCHANGE POLYELECTROLYTES

(51) International classification :B01J49/00  
(31) Priority Document No :61/245,517  
(32) Priority Date :24/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050152  
Filing Date :24/09/2010  
(87) International Publication No :WO 2011/038198 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)ZHOU, JUNFENG**  
**2)KOHL, PAUL, A.**  
**3)UNLU, MURAT**

(57) Abstract :

Provided according to some embodiments of the invention are anion exchange polyelectrolytes that include an at least partially fluorinated polyaromatic polymer backbone; and at least one cationic functional group pendant therefrom, Also provided are anion exchange membranes (AEM5) formed from at least one anion exchange polyelectrolyte according to an embodiment of the invention, and fuel cells including such AEMs,

No. of Pages : 52 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3612/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESS FOR THE DISPOSAL WASTES, PARTICULARLY OF SLUDGES DERIVING FROM WASTE WATER DEPURATION

(51) International classification	:C02F1/66	(71)Name of Applicant :
(31) Priority Document No	:RM2009A000494	<b>1)NEWLISI S.P.A.</b>
(32) Priority Date	:28/09/2009	Address of Applicant :VIA SAN PRIMO, 4, I-20121,
(33) Name of priority country	:Italy	MILANO Italy
(86) International Application No	:PCT/IB2010/002418	(72)Name of Inventor :
Filing Date	:27/09/2010	<b>1)MONTEMURRO, MICHELE</b>
(87) International Publication No	:WO 2011/036550	
	A1	
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Process for the disposal of wastes, comprising: performing an acid oxidizing hydrolysis of the incoming waste (charge); performing an alkaline oxidizing hydrolysis of the outgoing mass from the stage of acid oxidizing hydrolysis; chemically conditioning the outgoing mass from the stage of alkaline oxidizing hydrolysis by the addition of an acid reagent; separating any undissolved residue. This process, by comparison with other methods and technologies already known and in use, features the following advantages: superior effectiveness in reducing the weight of the waste; superior economy; total absence of ecological, environmental, hygiene and sanitary problems; total safety of personnel employed at the plants; enhancement for agricultural use of any exhausted residue which may be present at the end of the treatment.

No. of Pages : 44 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3613/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : GENETIC POLYMORPHISMS IN AGE-RELATED MACULAR DEGENERATION

(51) International classification :C12Q1/68  
(31) Priority Document No :61/253,758  
(32) Priority Date :21/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/053334  
Filing Date :20/10/2010  
(87) International Publication No :WO 2011/050034 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)GENENTECH, INC.**  
Address of Applicant :1 DNA WAY, SOUTH SAN  
FRANCISCO, CALIFORNIA 94080 U.S.A.  
(72)**Name of Inventor :**  
**1)GRAHAM, ROBERT**

(57) Abstract :

The application relates to methods for determining whether a patient is at increased risk of developing wet AMD or whether a patient has an increased likelihood of benefiting from treatment with a high-affinity anti-VEGF antibody.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.500/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :10/02/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : THERMAL TREATMENT OF ORGANIC WASTE USING MINERAL CATALYST

(51) International classification	:C05F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2012100034	<b>1)NAIR, JAYALAKSHMY</b>
(32) Priority Date	:12/01/2012	Address of Applicant :27 SOVEREIGN AVENUE,
(33) Name of priority country	:Australia	WILLETTON, WA 6155 Australia
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)NAIR, JAYALAKSHMY</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 :

This invention is an innovated thermal treatment process for organic waste which includes heating shredded organic matter using a mineral mix that acts as the catalyst. The waste is converted into a dry product that can be stored in bags indefinitely without releasing any odours. There is no leachate, effluent or gaseous emission issues as in composting, anaerobic digestion, incineration or pyrolyses. The product can be applied to soil or into a composting process as required. The process is fast and most cases can be completed less than 5 hours depending on the quality of individual waste stream. This simple, fast and complete treatment process is a solution to the urban municipal waste and food waste problem that is encountered throughout the world eliminating the cost of waste transport, disposal/further treatment and other environmental costs associated with odour and pest control.

No. of Pages : 6 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3616/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : CONNECTION PIECE MADE OF A COMPOSITE OF GRAPHITE AND CARBON-FIBER-REINFORCED CARBON

(51) International classification :H05B7/14  
(31) Priority Document No :61/254,485  
(32) Priority Date :23/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/064677  
Filing Date :01/10/2010  
(87) International Publication No :WO 2011/047947  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)SGL CARBON SE**  
Address of Applicant :RHEINGAUSTRASSE 182, 65203  
WIESBADEN Germany  
(72)**Name of Inventor :**  
**1)MONTMINY, JOHN**

(57) Abstract :

The invention relates to a connection piece for connecting graphite electrodes comprising at least one region made of graphite and at least one region made of carbon-fiber-reinforced carbon, wherein the graphite comprises less than 10 mass-% fibers and the carbon-fiber-reinforced carbon comprises more than 20 mass-% carbon fibers. The connection piece preferably comprises a graphite body in the shape of a cylinder or a bi-cone, wherein there is a plurality of groove-shaped recesses in the graphite body which are filled with the material made of carbon-fiber-reinforced carbon having a percent by weight of carbon fibers of more than 20mass-%

No. of Pages : 27 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3617/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SYNCHRONOUS GENERATOR

(51) International classification :H02K19/24

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/JP2009/004866

Filing Date :25/09/2009

(87) International Publication No :WO 2011/036723

A1

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION**

Address of Applicant :13-16, MITA 3-CHOME, MINATO-KU, TOKYO 108-0073 Japan

(72)Name of Inventor :

**1)TAKU, SEIGO**

(57) Abstract :

A synchronous generator is provided with a rotor (10) in which a plurality of protruding magnetic pole portions (12) projecting from the outer circumferential surface are arranged at intervals from one another in the circumferential direction, and which consists of a magnetic material, and a stator (20) covering the rotor (10) from the outside. The stator (20) comprises a stator core (22) in which a plurality of stationary protrusions (24) which project from the inner circumferential surface toward the inside and are capable of facing each of protruding magnetic pole portions (12) are arranged at intervals from one another in the circumferential direction and a static magnetic field is formed, and armature winding (26) which are formed by winding a coil around each of the stationary protrusions (24) in the radial direction. The circumferential central portion of an outer end surface (14) of each of the protruding magnetic pole portions (12) projects radially outward than circumferential both ends thereof.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3619/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : STEPPING SWITCH COMPRISING VACUUM SWITCHING TUBES

(51) International classification :H01H9/00  
(31) Priority Document No :10 2009 043 171.3  
(32) Priority Date :26/09/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/003554  
Filing Date :12/06/2010  
(87) International Publication No :WO 2011/035825  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)MASCHINENFABRIK REINHAUSEN GMBH**  
Address of Applicant :FALKENSTEINSTRASSE 8, D-  
93059 REGENSBURG Germany  
(72)**Name of Inventor :**  
**1)WREDE, SILKE**

(57) Abstract :

The invention relates to a stepping switch comprising vacuum switching tubes. The general inventive concept consists in providing one or more cam disks which have profiled circumferential contours both on the upper or lower face as well as on the lateral face, said contours being in the shape of cams for example, so that the vacuum switching tubes can be actuated by both the profiled circumferential contour of the lateral face as well as by the contour of the upper or lower face.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9293/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :12/12/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR ADMIXING THE LIPOPOLYSACCHARIDE (LPS) OF GRAM-NEGATIVE BACTERIA

(51) International classification :A61P31/04  
(31) Priority Document No :0902330  
(32) Priority Date :14/05/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/000365  
Filing Date :12/05/2010  
(87) International Publication No :WO 2010/130896  
A2  
(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)SANOVI PASTEUR**  
Address of Applicant :2 AVENUE PONT PASTEUR, F-69367 LYON CEDEX 07 France  
(72)**Name of Inventor :**  
**1)HAENSLER, JEAN**  
**2)GUY, BRUNO**

(57) Abstract :

The invention relates to a method for admixing the LPS of a gram-negative bacteria, according to which: (i) LPS or LPS liposomes (LPS formulated in liposomes) is/are mixed with the lipidated sub-unit B of the receptor of human transferrine (lipidated TbpB) of Neisseria meningitidis or a lipid fragment thereof; or (ii) LPS and the lipidated TbpB of N. meningitidis or a lipid fragment thereof are formulated together in liposomes; or (iii) LPS is conjugated with the TbpB of N. meningitidis or a lipid fragment thereof; in order to obtain a preparation that does not contain any OMVs and can induce, following administration to a mammal, an improved anti-LPS immune response compared to the anti-LPS immune response observed following administration of the corresponding preparation in which the lipidated TbpB of N. meningitidis or a lipid fragment thereof is omitted. The invention also relates to the vaccine compositions obtained by said method. The LPS can be, for example, the LOS of nonenteric gram-negative bacteria such as N. meningitidis.

No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.154/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :13/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SELECTABLE MARKER SYSTEM

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)UNIVERSITY OF AGRICULTURAL SCIENCES</b>
(32) Priority Date	:NA	Address of Applicant :GANDHI KRISHI VIGNAN
(33) Name of priority country	:NA	KENDRA (GKVK); BANGALORE - 560 065 Karnataka India
(86) International Application No	:NA	<b>2)DEPARTMENT OF BIOTECHNOLOGY</b>
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)VEMANNA RAMU S</b>
(61) Patent of Addition to Application Number	:NA	<b>2)CHANDRASEKHAR BABITHA K</b>
Filing Date	:NA	<b>3)KARABA NATARAJA N</b>
(62) Divisional to Application Number	:NA	<b>4)MAKARLA UDAYAKUMAR</b>
Filing Date	:NA	

(57) Abstract :

A marker system comprising a DNA construct having sequence ID 1 adapted for selection of transformed plants with selection agents selected from zinc chloride, mercuric chloride, methyl glyoxal, glyphosate, acetone, aluminium chloride, cadmium chloride and osmotic agents . Further provided are methods of selection of transformed plants and method of transformation of plants with the marker system of the present invention. The transformed plants are resistant to abiotic stress conditions which are induced by agents selected from zinc chloride, mercuric chloride, methyl glyoxal, glyphosate, acetone, salinity (NaCl), methyl viologen, cadmium chloride, aluminium chloride, dessication stress.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3426/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CROSS-CARRIER/CROSS-SUBFRAME INDICATION IN A MULTI-CARRIER WIRELESS NETWORK

(51) International classification :H04L5/00  
(31) Priority Document No :61/257,300  
(32) Priority Date :02/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055143  
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)QUALCOMM Incorporated**  
Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
U.S.A.  
(72)**Name of Inventor :**  
**1)KHANDEKAR Aamod Dinkar**  
**2)CHEN Wanshi**  
**3)PALANKI Ravi**  
**4)BORRAN Jaber Mohammad**

(57) Abstract :

Techniques for cross-subframe and cross-carrier scheduling of uplink and downlink transmissions in a multi-carrier wireless communication system are disclosed. A base station can include cross-subframe carrier indication (xSF/CIF) information in a PDCCH message to signal to a user equipment (UE) which subframes and/or component carriers pertain to control information carried therein. The UE may utilize the xSF/CIF information to determine to which subframes and/or component carriers the control information is to be applied.

No. of Pages : 37 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3427/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : APPARATUS AND METHOD FOR JOINT ENCODING OF USER SPECIFIC REFERENCE SIGNAL INFORMATION IN WIRELESS COMMUNICATION

(51) International classification :H04L5/00,  
H04L25/02  
(31) Priority Document No :61/257,376  
(32) Priority Date :02/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055159  
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 :**  
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(72)**Name of Inventor :**  
**1)FARAJIDANA Amir**  
**2)GOROKHOV Alexei Yurievitch**  
**3)MONTJOJO Juan**  
**4)GEIRHOFER Stefan**

(57) Abstract :

An apparatus and method for providing encoded information pertaining to a user-specific reference signal associated with a user equipment in a multiple access wireless communication system are provided. The encoded information jointly indicates a rank of transmission together with at least one parameter relating to the user-specific reference signal such as a set of antenna ports and a user-specific reference signal pattern. The encoded information is transmitted in a downlink control channel to reduce overhead in the channel.

No. of Pages : 40 No. of Claims : 70

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3428/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : HUB BASE STATION

(51) International classification	:H04W92/12
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2009/074724
Filing Date	:30/10/2009
(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)Huawei Technologies Co. Ltd.**

Address of Applicant :Huawei Administration Building  
Bantian Longgang District Shenzhen Guangdong 518129 P.R.  
China.

(72)**Name of Inventor :**

**1)LIN Jie**

(57) Abstract :

The invention discloses a hub base station capable of communicating with a plurality of remote network entities over a cellular communication network. The hub base station comprises a transmitter (101 103) configured to transmit a plurality of distinct radio frequency beams towards a plurality of distinct directions for backhaul communications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3425/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SCHEDULING SIMULTANEOUS TRANSMISSIONS IN WIRELESS NETWORK

(51) International classification :H04W72/12

(31) Priority Document No :61/256,825

(32) Priority Date :30/10/2009

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

(86) International Application No :PCT/US2010/054765

Filing Date :29/10/2010

(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)QUALCOMM Incorporated**

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(72)Name of Inventor :

**1)ABRAHAM Santosh Paul**

**2)VERMANI Sameer**

**3)TAGHAVI NASRABADI Mohammad Hossein**

**4)SAMPATH Hemanth**

(57) Abstract :

Certain aspects of the present disclosure relate to a technique for scheduling simultaneous communications of multiple pairs of wireless nodes in a wireless network. (FR)La presente invention se rapporte, dans certains aspects, a une technique permettant de planifier des communications simultanees de multiples paires de noeuds sans fil dans un reseau sans fil.

No. of Pages : 43 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3636/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : BLENDED FIBER YARNS AND FABRICS INCLUDING OXIDIZED POLYMERIC FIBERS

(51) International classification :D03D15/12  
(31) Priority Document No :61/254,493  
(32) Priority Date :23/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/053723  
Filing Date :22/10/2010  
(87) International Publication No :WO 2011/050257 A2  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)INVISTA TECHNOLOGIES S.A.R.L.**

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GALLEN, PESTALOZZISTRASSE 2, 9000 ST. GALLEN  
Switzerland

(72)Name of Inventor :

**1)ATKINSON, ZEB, W.**

(57) Abstract :

An article comprising a fabric comprising: (a) a blended yarn comprising; (i) from about 10% to about 85% by weight of at least one biregional fiber comprising an oxidized polymer selected from the group consisting of acrylonitrile based homopolymers, acrylonitrile based copolymers, acrylonitrile based terpolymers, and . combinations thereof; (ii) at least one companion fiber selected from the group consisting of FR polyester, FR nylon, FR rayon, FR treated cellulose, m-aramid, p-aramid, modacrylic, novoloid, melamine, wool, nylon, regenerated cellulose, polyvinyl chloride, antistatic fiber, poly(p-phenylene benzo-bisoxazole) (PBO), polybenzimidazole (PBI), polysulphonamide (PSA), and combinations thereof; and (b) optionally including a companion yarn different from said blended yarn; wherein said companion thereof; and (b) optionally including a companion yarn different from said blended yarn; wherein said companion yarn includes p-aramid in an amount less than 20% of the fabric weight; and wherein the fabric has a weight from about 3 oz/yd<sup>2</sup>to about 12 oz/yd<sup>2</sup>.

No. of Pages : 17 No. of Claims : 34



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3582/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : MULTIBAND COMPRESSOR

(51) International classification	:H03G7/00
(31) Priority Document No	:2009-241033
(32) Priority Date	:20/10/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/005483
Filing Date	:07/09/2010
(87) International Publication No	:WO 2011/048741
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NEC CORPORATION**

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(72)**Name of Inventor :**

**1)HOSOKAWA, SATOSHI**

(57) Abstract :

In a multiband compressor 100, a level calculation unit 121 calculates a signal level inputted for each of bands, a gain calculation unit 122 calculates a gain value from the calculated signal level, and a gain limitation unit 130 limits a gain value by comparison with a gain value of the other band in a compressor for each band. With this configuration, provided is a multiband compressor capable of achieving a balance between the quality of sound and the effect of enhancing the sound level at a high level.

No. of Pages : 21 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3664/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : SEAT ASSEMBLY HAVING A SOFT LATCH MECHANISM

(51) International classification :B60N2/48  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/US2009/058733  
Filing Date :29/09/2009  
(87) International Publication No :WO 2011/040903 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)SCHNEIDER, JOERG-HOLGER**  
**2)DIEFENTHALER, FLORIAN**

(57) Abstract :

A seat assembly having a soft latch mechanism. The soft latch mechanism includes a spring arm disposed on a bracket and a housing disposed on a seat back frame. The housing engages an end portion of the spring arm when the seat back frame is in a folded position to inhibit movement of the seat back frame away from the seat bottom frame.

No. of Pages : 16 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3666/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : APPARATUS AND METHOD FOR AUTOMATICALLY ANALYZING THE USAGE OF AN APPLICATION'S USER INTERFACE

(51) International classification :G06F11/34  
(31) Priority Document No :0957632  
(32) Priority Date :29/10/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/EP2010/065522  
Filing Date :15/10/2010  
(87) International Publication No :WO 2011/051114  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)ALCATEL LUCENT**  
Address of Applicant :3 AVENUE OCTAVE GREARD,  
75007 PARIS France  
(72)**Name of Inventor :**  
**1)ARNAUD GONGUET**  
**2)YANN GASTE**

(57) Abstract :

An apparatus (D) is dedicated to analyzing the use by at least one user of at least one user interface (IG) associated with an application (AP). This apparatus (D) comprises analysis means (MA) operative to compare first data representative of first actions performed by the user by means of that user interface (IG) in order to carry out tasks required by the associated application (AP), with second data, representative of second actions that that user should have performed by means of that user interface (IG) in order to carry out those required tasks, and third data, representative of the way in which that user should have performed those second actions, in order to determine any differences representative of shortcomings of that user interface (IG).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3499/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : TREATMENT OF CANCER

(51) International classification :C07K16/28,  
A61K38/17  
(31) Priority Document No :0916686.9  
(32) Priority Date :23/09/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/001776  
Filing Date :22/09/2010  
(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)Asclepiumm Limited**  
Address of Applicant :17 Block A Pollard Street  
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(72)**Name of Inventor :**  
**1)CHEN Min-Che**

(57) Abstract :

The present invention relates to agents for use in treating cancer. The agent to be used is an antagonist of Dsg2 wherein said antagonist modulates the function of the amino acid sequence: TQDVFGSVEELSAHTLVMKINATDAEPNTLNSKISYR (SEQ ID NO:1) or a fragment or variant thereof of the EC2 domain of Dsg2. Also included in the invention are specific polypeptides and pharmaceutical preparations. Also included in the invention is a method of screening for antagonists of Dsg2 wherein said antagonist modulates the function of the amino acid sequence: TQDVFGSVEELSAHTLVMKINATDAEPNTLNSKISYR (SEQ ID NO:1) or a fragment or variant thereof of the EC2 domain of Dsg2.

No. of Pages : 51 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3564/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : ANTI-DERAILMENT DEVICE FOR LIFT OR ELEVATOR DOOR LEAVES

(51) International classification	:B66B13/30
(31) Priority Document No	:PR2009A000078
(32) Priority Date	:09/10/2009
(33) Name of priority country	:Italy
(86) International Application No	:PCT/IT2010/000341
Filing Date	:29/07/2010
(87) International Publication No	:WO 2011/042925
	A3
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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43052 COLORNO (PARMA) Italy  
(72)**Name of Inventor :**  
**1)GIORGIONI, PAOLO**

(57) Abstract :

An anti-derailment device for lift or elevator door leaves (2), of the type provided with at least one guide shoe (4) at the lower or upper end thereof, suitable for sliding in a groove (5) formed in a lower sill (6) of the door or defined in an upper recess of the door, is characterised in that it comprises an element (9), associated with the shoe (4) or with the leaf (2), which is shaped like a hook so as to interact with at least one bent edge (11) of the groove (5), hooking thereto in response to a stress on the leaf (2) which tends to produce a derailment of the shoe (4).

No. of Pages : 25 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3565/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : STRONG AUTHENTICATION TOKEN USABLE WITH A PLURALITY OF INDEPENDENT APPLICATION PROVIDERS

(51) International classification	:H04L29/06	(71)Name of Applicant :
(31) Priority Document No	:12/604,838	<b>1)VASCO DATA SECURITY INTERNATIONAL GMBH</b>
(32) Priority Date	:23/10/2009	Address of Applicant :WORLD-WIDE BUSINEE
(33) Name of priority country	:U.S.A.	CENTER, BALZ-ZIMMERMANNSTRASSE 7, CH-8152
(86) International Application No	:PCT/US2010/053862	GLATTBRUGG Switzerland
Filing Date	:22/10/2010	(72)Name of Inventor :
(87) International Publication No	:WO 2011/050332 A1	<b>1)GRANGE, BENOIT</b>
(61) Patent of Addition to Application	:NA	<b>2)MARIEN, DIRK</b>
Number	:NA	<b>3)HOORNAERT, FRANK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention defines a strong authentication token for generating different dynamic credentials for different application providers comprising an input interface providing an output representing an application provider indicator; a secret key storage for storing one or more secret keys; a variability source for providing a dynamic variable value; a key providing agent for providing an application provider specific key as a function of said application provider indicator using one or more keys stored in said secret key storage; a cryptographic agent for cryptographically combining said application provider specific key with said dynamic variable value using symmetric cryptography; a transformation agent coupled to said cryptographic agent for transforming an output of said cryptographic agent to produce a dynamic credential; and an output interface to output said dynamic credential.

No. of Pages : 42 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3566/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND COMPOSITIONS FOR MODULATING HEPsin ACTIVATION OF MACROPHAGE-STIMULATING PROTEIN

(51) International classification :A61K39/395  
(31) Priority Document No :61/253,990  
(32) Priority Date :22/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/053600  
Filing Date :21/10/2010  
(87) International Publication No :WO 2011/050194 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)F. HOFFMANN-LA ROCHE AG**

Address of Applicant :124 GRENZACHERSTRASSE, CH-4070 BASEL Switzerland

(72)Name of Inventor :

**1)GANESAN, RAJKUMAR**

**2)KIRCHHOFFER, DANIEL K.**

(57) Abstract :

The invention provides methods and compositions for modulating hepsin activity and the MSP/Ron pathway, in particular by regulating pro-MSP activation by hepsin.

No. of Pages : 110 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3524/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CHANNEL STATUS REPORTING

(51) International classification :H04L1/00  
(31) Priority Document No :61/257,416  
(32) Priority Date :02/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/055104  
Filing Date :02/11/2010  
(87) International Publication No :WO 2011/053970 A2  
(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)WANSHI CHEN**

**2)TAO LUO**

**3)JUAN MONTOJO**

**4)PETER GAAL**

(57) Abstract :

Methods, systems, apparatus and computer program products are provided to facilitate the transmission of channel status information in wireless systems, such as advanced long-term evolution (LTE-A) systems. Requests for aperiodic channel status reports are generated in systems that use multiple carriers and operate in multiple-in-multiple-out (MIMO) configurations. The request enables a user equipment to configure two transport blocks for the transmission of channel status information only. In some instances, data, in addition to channel status information, is transmitted by the user equipment.

No. of Pages : 62 No. of Claims : 56



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3576/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SECURE CONTENT DELIVERY SYSTEM AND METHOD

(51) International classification :G06F15/16

(31) Priority Document No :61/245,662

(32) Priority Date :24/09/2009

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

(86) International Application No :PCT/US2010/050283

Filing Date :24/09/2010

(87) International Publication No :WO 2011/038282 A9

(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)HO, EDWIN**

**2)WAI, KING SUN**

**3)POTOCKO, EDWARD**

(57) Abstract :

A system and method for secure content delivery is provided. The system and method has a content system that verifies a device with a media player based on one or more properties of the device with the media player wherein the content system delivers content to the device with the media player only when the device with the media player is verified.

No. of Pages : 14 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3577/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SOLID STATE LIGHTING APPARATUS WITH CONFIGURABLE SHUNTS

(51) International classification :H05B37/02

(31) Priority Document No :12/566,142

(32) Priority Date :24/09/2009

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

(86) International Application No :PCT/US2010/048225

Filing Date :09/09/2010

(87) International Publication No :WO 2011/037752 A2

(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)CREE, INC.**

Address of Applicant :4600 SILICON DRIVE, DURHAM,  
NC 27703 U.S.A.

(72)Name of Inventor :

**1)VAN DE VEN, ANTONY, P.**

**2)NEGLEY, GERALD, H.**

(57) Abstract :

A solid state lighting apparatus according to some embodiments includes a circuit including a plurality of light emitting devices and a configurable shunt configured to by pass at least some current around at least one light emitting device of the plurality of light emitting devices. The configurable shunt may include, for example a tunable resistor, a fuse, a switch, a thermistor, and/or a variable resistor.

No. of Pages : 31 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3471/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESS FOR THE CONVERSION OF LOWER ALKANES TO AROMATIC HYDROCARBONS

(51) International classification :C07C15/00

(31) Priority Document No :61/257,149

(32) Priority Date :02/11/2009

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

(86) International Application No :PCT/US2010/054599

Filing Date :29/10/2010

(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)SHELL INTERNATIONALE RESEARCH  
MAATSCHAPPIJ B.V.**

Address of Applicant :Carel van Bylandtlaan 30 NL-2596  
The Hague Netherlands (NL)

(72)Name of Inventor :

**1)IYER Mahesh Venkataraman**

**2)LAURITZEN Ann Marie**

**3)MADGAVKAR Ajay Madhav**

(57) Abstract :

The present invention provides a process for producing aromatic hydrocarbons which comprises:(a) alternately contacting a lower alkane feed with an aromatization catalyst under aromatization reaction conditions in a reactor for a short period of time preferably 30 minutes or less to produce aromatic reaction products and then contacting the aromatization catalyst with a hydrogen-containing gas at elevated temperature for a short period of time preferably 10 minutes or less (b) repeating the cycle of step (a) at least one time (c) regenerating the aromatization catalyst by contacting it with an oxygen-containing gas at elevated temperature and (d) repeating steps (a) through (c) at least one time.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.4631/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 26/07/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF SUNITINIB MALATE

(51) International classification	:C07D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SHILPA MEDICARE LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :R&D UNIT, SURVEY NO.207,
(33) Name of priority country	:NA	MODAVALASA, VIZIANAGARAM DIST 531 162 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)PUROHIT, PRASHANTH</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SRIRAM, RAMPALLI</b>
Filing Date	:NA	<b>3)VIJAYA MURALI MOHANRAO, SESHAGIRI</b>
(62) Divisional to Application Number	:NA	<b>4)LAVKUMAR, UPALLA</b>
Filing Date	:NA	

(57) Abstract :

Disclosed is a process for the preparation of malic acid salt of N-[2-(diethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dimydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-1H-pyrrole-3-carboxamide of Formula I.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.807/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DEVICE FOR SUPPLYING UNIT UNDER TEST WITH CONDITIONED GASEOUS MEDIUM

(51) International classification	:F01N	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:A 70/2012	<b>1)AVL LIST GMBH</b>
(32) Priority Date	:23/01/2012	Address of Applicant :HANS-LIST-PLATZ 1, 8020 GRAZ
(33) Name of priority country	:Austria	Austria
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)LACHMANN, STEFAN</b>
(87) International Publication No	: NA	<b>2)SCHLEIFER, KAROL</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device for supplying a unit under test (1), in particular an internal combustion engine, a fuel cell or an automotive brake system, with a conditioned gaseous medium, for instance combustion gas for the engine or coolant for the brake system, in particular air, preferably in test benches, comprising a supply line (3) starting from a conditioning system (2) to the unit under test (1) for pressure/moisture-conditioned and/or temperature-conditioned medium, as well as a suction line (11) for any gaseous medium, for instance for exhaust gas of the internal combustion engine, as well as a bypass line (7) from the supply line (3) to the suction line (11). In order to thereby guarantee the reliable pressure or flow control with reliable, constant supply of the unit under test, a first control element (4) is provided in the supply line (3) upstream of the branch to the bypass line (7), which control element is triggered via a controller (5), the control variable of which is supplied by a first pressure or flow sensor (6) in the connecting line (3) between the branch and the unit under test (1). .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3411/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING THE STATUS OF A DEVICE

(51) International classification	:G01S15/04, G01S15/58
(31) Priority Document No	:09177972.8
(32) Priority Date	:04/12/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/IB2010/055073
Filing Date	:09/11/2010
(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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Address of Applicant :GROENEWOUDSEWEG 1  
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(72)Name of Inventor :

**1)GRITTI Tommaso**

**2)VAN DE PAR Steven Leonardus Josephus Dimphina  
Elisabeth**

(57) Abstract :

The status of a device is controlled by detecting (403) the presence of a user; changing the status of a device to a first state (405) if the presence of a user is detected within a first predetermined zone; changing the status of the device to the second state (407) if the presence of a user is detected outside a second predetermined zone the first predetermined zone being smaller than and being wholly contained within the second predetermined zone; and maintaining (407) the current state of the device if the presence of a user is detected outside of the first predetermined zone and within the second predetermined zone.

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3412/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : DEVICE FOR SUBJECTING A LIQUID TO A PURIFYING PROCESS

(51) International classification	:C02F1/32	(71)Name of Applicant :
(31) Priority Document No	:09174831.9	<b>1)KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>
(32) Priority Date	:03/11/2009	Address of Applicant :GROENEWOUDSEWEG 1
(33) Name of priority country	:EPO	EINDHOVEN 5621 BA NETHERLANDS
(86) International Application No	:PCT/IB2010/054818	(72)Name of Inventor :
Filing Date	:25/10/2010	<b>1)DARWINKEL Geert-Jan</b>
(87) International Publication No	: NA	<b>2)PAWAR Narendra Nilkanth</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A device (1) for subjecting a liquid to a purifying process comprises an assembly of a first container (10) and a second container (20) for receiving and containing a liquid, wherein means (11) for performing a purifying action on the liquid are arranged in the first container (10), wherein the second container (20) is arranged for receiving an overflow from the first container (10), and wherein a liquid passage (15) is present between the first container (10) and the second container (20). Furthermore, the device (1) comprises means (16) which are associated with the liquid passage (15) between the first container (10) and the second container (20), and which are adapted to assume various states, including a state for blocking the liquid passage (15), and a state for deblocking the liquid passage (15), wherein the device (1) may also be equipped with means (17) for controlling the blocking/deblocking means (16).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3671/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD FOR BIOMOLECULAR DETECTION OF HUMAN LIVER DISEASES COMPOSITIONS AND KITS USED IN SAID METHOD

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		<b>2)BUONAGURO, LUIGI</b>
		<b>3)TORNESELLO, MARIA, LINA</b>
		<b>4)IZZO, FRANCESCO</b>
		<b>5)MARINCOLA, FRANCESCO</b>
		<b>6)CASTELO, GIUSEPPE</b>
		<b>7)DE GIORGI, VALERIA</b>
		(72)Name of Inventor :
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		<b>2)BUONAGURO, LUIGI</b>
		<b>3)TORNESELLO, MARIA, LINA</b>
		<b>4)IZZO, FRANCESCO</b>
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		<b>6)CASTELO, GIUSEPPE</b>
		<b>7)DE GIORGI VALERIA</b>
(51) International classification	:C12Q1/68	
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:PCT/EP2009/062716	
Filing Date	:30/09/2009	
(87) International Publication No	:WO 2011/038763	
	A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention identifies the global changes in gene expression associated with liver diseases progressing to cancer by examining gene expression in tissue from normal liver, Hepatitis C Virus (HCV) liver infection, primary hepatocellular carcinoma (including HCV-related malignancies) and metastatic malignant liver. The present invention also identifies expression profiles which can be used to complement current diagnostic techniques as well to monitor disease status and disease progression. The proposal is the preparation of a diagnostic/molecular kit based on a proper combination of weighted (balanced) quantities (in nanograms) of thirty specific oligomers (or multiple) for specific gene sequences, to develop a reliable and consistent diagnostic molecular tool [hepatochip] able to identify and characterize, with high specificity and sensibility, liver tissue lesions. The gene chip is composed by a solid support covered by a specific nucleotide sequences miscellany/combination (oligomers) of the genes previously identified by the micro-array analysis. This rigid support will be involved in the reaction with the RNA extract from pre-neoplastic liver lesions. The identification of the lesions and the evaluation of their neoplastic progression will be based on the gene pattern expression on the gene-chip.

No. of Pages : 32 No. of Claims : 9



(54) Title of the invention : ANTISEPTIC OINTMENT COMPRISING BENTONITE INTERCALATED WITH SILVER, COPPER OR ZINC FOR EXTERNAL APPLICATION

<p>(51) International classification :A01N59/00  (31) Priority Document No :2009135436  (32) Priority Date :24/09/2009  (33) Name of priority country :Russia  (86) International Application No :PCT/EP2010/061992  Filing Date :17/08/2010  (87) International Publication No :WO 2011/035988  A1  (61) Patent of Addition to Application Number :NA  Filing Date :NA  (62) Divisional to Application Number :NA  Filing Date :NA</p>	<p>(71)Name of Applicant :  <b>1)CLOSED STOCK COMPANY INSTITUTE OF APPLIED NANOTECHNOLOGY</b>  Address of Applicant :SAVELKINSKY TRAVEL 4, OFFIS 1314, ZELENograd, MOSCOW - 124 482 Russia  <b>2)FONDAZIONE SALVATORE MAUGERI CLINICA DEL LAVORO E DELLA RIABILITAZIONE</b>  <b>3)SIB LABORATORIES LIMITED</b>  (72)Name of Inventor :  <b>1)BARBAKOV, VLADIMIR IIYCH</b>  <b>2)BEKLEMYSHIEV, VIACHESLAV IVANOVICH</b>  <b>3)BEKLEMYSHEVA, EVGENIYA FEDOROVNA</b>  <b>4)MAKHONIN, IGNOR IVANOVICH</b>  <b>5)MAUGERI, UMBERTO ORAZIO GIUSEPPE</b>  <b>6)MESHKOVA, IRINA MIHAILOVNA</b>  <b>7)SOLODOVNIKOV, VLADIMIR ALEKSANDROVICH</b></p>
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## (57) Abstract :

The invention concerns antiseptic ointments for external application comprising, as a basis, pharmaceutical Vaseline or a mix of pharmaceutical Vaseline with lanoline, and, as the antiseptic agent, a dispersed bentonite powder intercalated by one or more metal ions selected in the group consisting of Ag<sup>+</sup>, Cu<sup>2+</sup>, Zn<sup>2+</sup>. In addition the ointment contains an etheric vegetable oil. More precisely the active antiseptic agent may be: a dispersed bentonite powder intercalated by ions of Ag<sup>+</sup> or by ions of Cu<sup>2+</sup> or by a mix of said bentonites. According to an alternative the antiseptic dispersed bentonite powder may be intercalated by ions of Ag<sup>+</sup> and Zn<sup>2+</sup> or by ions of Cu<sup>2+</sup> and Zn<sup>2+</sup> or by ions of Ag<sup>+</sup>, Cu<sup>2+</sup> and Zn<sup>2+</sup>. In any case the total content of metals in the composition of ointment is comprised between 0,05-0,5%. The ointments according to the invention are biologically compatible with various integuments of humans and animals and provide a prolonged antiseptic action at low expenses.

No. of Pages : 16 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3635/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : IMAGE DECODING METHOD, IMAGE CODING METHOD, IMAGE DECODING APPARATUS, IMAGE CODING APPARATUS, PROGRAM, AND INTEGRATED CIRCUIT

(51) International classification :H04N7/26  
(31) Priority Document No :2009-251518  
(32) Priority Date :30/10/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/006385  
Filing Date :29/10/2010  
(87) International Publication No :WO 2011/052217  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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Address of Applicant :1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501 Japan  
(72)**Name of Inventor :**  
**1)LIM, CHONG SOON**  
**2)LI, MIN**  
**3)SUN, HAI WEI**  
**4)SHIBAHARA, YOUJI**  
**5)NISHI, TAKAHIRO**

(57) Abstract :

An image decoding method including: obtaining an old quantization scaling matrix which is a decoded quantization scaling matrix and is used for decoding a new quantization scaling matrix; obtaining, from the coded stream, an update parameter indicating an amount of change in the new quantization scaling matrix with respect to the old quantization scaling matrix; decoding the new quantization scaling matrix using the old quantization scaling matrix obtained in the obtaining of an old quantization scaling matrix and the update parameter obtained in the obtaining of an update parameter; and decoding the coded image using the new quantization scaling matrix decoded in the decoding of the new quantization scaling matrix.

No. of Pages : 75 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3624/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : LIGHT ENGINES FOR LIGHTING DEVICES

(51) International classification :F21V15/01  
(31) Priority Document No :12/566,857  
(32) Priority Date :25/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/049569  
Filing Date :21/09/2010  
(87) International Publication No :WO 2011/037879 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**

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**1)VAN DE VEN, ANTONY, PAUL**

**2)SWOBODA, CHARLES, M.**

**3)CHAN, WAI, KWAN**

(57) Abstract :

A solid state light engine comprises (1) a light engine housing and (2) a mixing chamber element and/or a driver chamber element removably attached to the light engine housing. Also, a solid state light engine comprising (1) a light engine housing and a modular mixing chamber element and/or a modular driver chamber element. Also, a solid state light engine comprising a light engine housing comprising at least a first connection element.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3625/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND APPARATUS FOR UPLINK MULTI-CARRIER POWER AMPLIFIER/ANTENNA OPERATION AND CHANNEL PRIORITIZATION

(51) International classification :H04W52/34  
(31) Priority Document No :61/253,796  
(32) Priority Date :21/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/053493  
Filing Date :21/10/2010  
(87) International Publication No :WO 2011/050137 A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)QUALCOMM INCORPORATED**  
Address of Applicant :INTERNATIONAL IP  
ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN  
DIEGO, CALIFORNIA 92121-1714 U.S.A.  
(72)**Name of Inventor :**  
**1)JELENA M. DAMNJANOVIC**  
**2)JUAN MONTOJO**  
**3)PETER GAAL**  
**4)WANSI CHEN**

(57) Abstract :

Certain aspects of the present disclosure relate to techniques for controlling transmission power and prioritizing transmission carriers. A method of power distribution for different physical layer channels over one or more carriers in case of power limited user equipment (UE) is proposed. Operation modes of the UE with single and multiple power amplifiers/antennas can be supported.

No. of Pages : 43 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3464/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : CONNECTING STRUCTURE OF SHIELD TERMINALS

(51) International classification :H01R13/648  
(31) Priority Document No :2010-092176  
(32) Priority Date :13/04/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/058880  
Filing Date :08/04/2011  
(87) International Publication No :WO 2011/129270  
A1  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)YAZAKI CORPORATION**  
Address of Applicant :4-28, MITA 1-CHOME, MINATO-KU, TOKYO 108-8333 Japan  
(72)**Name of Inventor :**  
**1)OMAE, TAKASHI**  
**2)ZAITSU, KAZUKI**

(57) Abstract :

There is provided a connecting structure of shield terminals configured to tighten and connect a pair of shield terminals with a single bolt simultaneously in a smaller space with an object of reducing the number of components and the component cost by sharing the same type shield terminals. The connecting structure of shield terminals includes: two shield terminals 3 each having a circular portion 4 into which a braided wire 2 of a shield electric wire 1 is inserted and connected, a plate portion 5 extended from the ring-shaped portion 4 along the shield electric wire 1, and a projecting piece 6, 6 extended perpendicular to the plate portion 5 from a tip of the plate portion 5 and having a bolt-insertion hole 14 at the center thereof, wherein one wall of the projecting piece 6, 6 is positioned on an extension of a center line (m) of the ring-shaped portion 4, wherein one shield terminal 3 is inverted 180 degree with respect to the other shield terminal 3, and wherein the one wall 6a of the projecting piece 6, 6 of the one shield terminal 3 is overlapped with and abuts on the one wall 6a of the projecting piece 6, 6 of the other shield terminal 3.

No. of Pages : 28 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3466/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD AND RELAY NODE

(51) International classification :H04W72/12  
(31) Priority Document No :2009-231721  
(32) Priority Date :05/10/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/067430  
Filing Date :05/10/2010  
(87) International Publication No :WO 2011/043325  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)NTT DOCOMO, INC.**  
Address of Applicant :11-1, NAGATACHO 2-CHOME,  
CHIYODA-KU, TOKYO 100-6150 Japan  
(72)**Name of Inventor :**  
**1)TAKAHASHI, HIDEAKI**  
**2)HAPSARI, WURI ANDARMAWANTI**  
**3)UMESH, ANIL**  
**4)IWAMURA, MIKIO**  
**5)ISHII, MINAMI**

(57) Abstract :

Interference to a reception circuit of a relay node itself is reduced, which occurs when transmission-and-reception process in a Un radio bearer and transmission-and-reception process in a Uu radio bearer are simultaneously performed. A mobile communication method according to the present invention includes a step of determining, by a relay node RN, whether it is necessary to perform the scheduling of a second timing such that the second timing does not overlap a first timing in a time direction, based on a first operating frequency f1 used in a radio zone between the relay node RN and a mobile station UE and a second operating frequency f2 used in a radio zone between a radio base station DeNB and the relay node RN, and a step of notifying, by the relay node RN, the radio base station DeNB of the determination result.

No. of Pages : 31 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3571/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : TUBULAR PHOTOBIOREACTOR

(51) International classification :C12M1/00  
(31) Priority Document No :10 2009 045 851.4  
(32) Priority Date :20/10/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/065739  
Filing Date :19/10/2010  
(87) International Publication No :WO 2011/048108  
A3  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)WACKER CHEMIE AG**  
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(72)**Name of Inventor :**  
**1)MULLER-REES, CHRISTOPH**  
**2)PFALLER, RUPERT**  
**3)WALTER, CHRISTIAN**  
**4)COTTA, FRITZ**

(57) Abstract :

The invention relates to a tubular photobioreactor that has a core structure in the shape of a truncated cone and one or more transparent or translucent tubes which are helically wound around the outer surface and/or inner surface of the core structure. Said tubular photobioreactor is characterized in that the transparent or translucent tube has at least two chambers, through at least one of which the cultivation medium flows and through at least one of which a heat transfer medium flows.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3475/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : MULTI-VIRTUAL SERIAL PORT SYSTEM AND COMMUNICATION METHOD THEREOF

(51) International classification	:H04L12/28	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:201010232240.6	<b>1)ZTE CORPORATION</b>
(32) Priority Date	:15/07/2010	Address of Applicant :ZTE PLAZA, KEJI ROAD SOUTH,
(33) Name of priority country	:China	HI-TECH INDUSTRIAL PARK, NANSHAN DISTRICT,
(86) International Application No	:PCT/CN2010/077691	SHENZHEN, GUANGDONG PROVINCE 518057 China
Filing Date	:12/10/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2012/006824 A1	<b>1)MINGEN CHEN</b>
(61) Patent of Addition to Application	:NA	<b>2)JUNFENG LIU</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a multi-virtual serial port system and a communication method thereof. In the above, this multi-virtual serial port system comprises more than one serial port management modules, which serial port management modules are located in the application layer of the multi-virtual serial port system and used for calling a serial port resource of a corresponding serial port device to perform serial port communication, wherein the serial port resource is located in the operating system layer of the multi-virtual serial port system. By way of the present invention, the code implementation can be brief, and the traffic of virtual serial port data is larger.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3528/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : IP SECURITY CERTIFICATE EXCHANGE BASED ON CERTIFICATE ATTRIBUTES

(51) International classification	:H04L9/32	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/616,789	<b>1)MICROSOFT CORPORATION</b>
(32) Priority Date	:12/11/2009	Address of Applicant :ONE MICROSOFT WAY,
(33) Name of priority country	:U.S.A.	REDMOND, WASHINGTON 98052-6399 U.S.A.
(86) International Application No	:PCT/US2010/054573	(72) <b>Name of Inventor :</b>
Filing Date	:28/10/2010	<b>1)PANASYUK, ANATOLIY</b>
(87) International Publication No	:WO 2011/059774 A3	<b>2)RANGEGOWDA, DHARSHAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SHUKLA, ABHISHEK</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Architecture that provides Internet Protocol security (IPsec) certificate exchange based on certificate attributes. An IPsec endpoint can validate the security context of another IPsec endpoint certificate by referencing certificate attributes. By facilitating IPsec certificate exchange using certificate attributes rather than solely certificate roots, it is now possible to build multiple isolated network zones using a single certificate authority rather than requiring one certificate authority per zone. Moreover, the ability to use certificate attributes during the IPsec certificate exchange can be leveraged for more focused communications such as QoS (quality of service). Certificate attributes can be utilized to identify the security context of the endpoint. The IPsec certificate use can be locked down to a single IP or group of IPs. .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3514/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : NOVEL COMPOSITIONS FOR PREVENTING AND/OR TREATING LYSOSOMAL STORAGE DISORDERS

(51) International classification	:A01N43/40, A61K31/445	(71)Name of Applicant : <b>1)AMICUS THERAPEUTICS INC.</b> Address of Applicant :6 Cedar Brook Drive Cranbury NJ 08512 U.S.A.
(31) Priority Document No	:61/252,806	(72)Name of Inventor :
(32) Priority Date	:19/10/2009	<b>1)BOYD Robert</b>
(33) Name of priority country	:U.S.A.	<b>2)LEE Gary</b>
(86) International Application No	:PCT/US2010/051458	<b>3)RYBCZYNSKI Philip</b>
Filing Date	:05/10/2010	
(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 :

The present invention provides novel compositions as well as methods for preventing and/or treating lysosomal storage disorders. In particular the present invention provides methods for preventing and/or treating Gauchers disease.

No. of Pages : 87 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3627/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : INSULIN RECEPTOR BINDING ANTIBODIES

(51) International classification :A61K39/395

(31) Priority Document No :61/246,067

(32) Priority Date :25/09/2009

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

(86) International Application No :PCT/US2010/050313

Filing Date :25/09/2010

(87) International Publication No :WO 2011/038302 A3

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)CORBIN, JOHN**

**2)WHITE, MARK, LESLIE**

**3)WATSON, SUSAN, R.**

**4)BHASKAR, VINAY**

(57) Abstract :

Antibodies that modulate insulin receptor signaling are provided.

No. of Pages : 445 No. of Claims : 62

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3628/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : HIGH-TEMPERATURE LUMBER TREATMENT SYSTEM

(51) International classification :F26B21/10  
(31) Priority Document No :PI 2010002410  
(32) Priority Date :25/05/2010  
(33) Name of priority country :Malaysia  
(86) International Application No :PCT/MY2010/000287  
Filing Date :23/11/2010  
(87) International Publication No :WO 2011/149327 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)CHOO, KHENG TEN**  
**2)SIK, HUEI SHING**

(57) Abstract :

High-temperature method for the treatment of lumber, the method comprising the steps of providing stacks (10) of lumber, restraining those stacks, subjecting the stacks to a first conditioning phase, drying the stacks in an air stream at a temperature of not less than 120°C, cooling the stacks and subsequently subjecting the stacks to a second conditioning phase, and further cooling the dried stacks in ambient temperature air stream. A kiln for use in the high-temperature lumber treatment method of this invention, comprises a chamber (30) for receiving stacks of lumber, heat supply means to produce and supply heated air and steam for drying and conditioning the stacks, heat exchange means (35) to provide and maintain a stable and sustained temperature environment within the chamber, humidification means to provide and maintain a predetermined equilibrium moisture content within the chamber, air stream generation means (33, 34) to provide a sustained and uniform flow of air within the chamber, and control means for monitoring and controlling various drying parameters within the chamber.

No. of Pages : 28 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3629/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : SCREENING METHODS

(51) International classification :G01N33/557  
(31) Priority Document No :61/246,079  
(32) Priority Date :25/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050312  
Filing Date :24/09/2010  
(87) International Publication No :WO 2011/038301 A2  
(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)WHITE, MARK, LESLIE**

**2)ROELL, MARINA**

**3)CORBIN, JOHN**

**4)BAUER, ROBERT**

**5)BEDINGER, DANIEL**

(57) Abstract :

The present invention provides polypeptide binding agents, e.g. antibodies, that exhibit the ability to kinetically modulate the binding and signaling of biological signaling complexes, e.g., receptor-ligand complexes; methods of identifying such polypeptide binding agents, methods of making such polypeptide binding agents, compositions comprising such polypeptide binding agents, and methods of using such polypeptide binding agents.

No. of Pages : 340 No. of Claims : 152

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3459/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :18/04/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A METHOD AND APPARATUS FOR RENDERING A MULTIMEDIA ITEM WITH A PLURALITY OF MODALITIES

(51) International classification	:H04N5/57, H04N21/485	(71)Name of Applicant : <b>1)KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>
(31) Priority Document No	:09175184.2	Address of Applicant :GROENEWOUDSEWEG 1
(32) Priority Date	:06/11/2009	EINDHOVEN 5621 BA NETHERLANDS
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/IB2010/054880	<b>1)DE HAAN Gerard</b>
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	

(57) Abstract :

A method and apparatus for rendering a multimedia item with a plurality of modalities is provided. Parameter settings are determined for a plurality of modalities according to a user input request (step 206). The multimedia item is rendered with the determined modality parameter settings (step 208).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3607/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : STEEL CONTINUOUS CASTING METHOD

(51) International classification	:B22D11/115	(71)Name of Applicant :
(31) Priority Document No	:2009-256717	<b>1)JFE STEEL CORPORATION</b>
(32) Priority Date	:10/11/2009	Address of Applicant :2-3, UCHISAIWAI-CHO, 2-
(33) Name of priority country	:Japan	CHOME, CHIYODA-KU, TOKYO 1000011 Japan
(86) International Application No	:PCT/JP2010/054280	(72)Name of Inventor :
Filing Date	:09/03/2010	<b>1)MIKI, YUJI</b>
(87) International Publication No	:WO 2011/058769	<b>2)KISHIMOTO, YASUO</b>
	A1	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a steel continuous casting method using a continuous caster that includes a pair of upper magnetic poles and a pair of lower magnetic poles disposed on outer sides of a mold, the upper magnetic poles facing each other with a mold long side portion therebetween and the lower magnetic poles facing each other with the mold long side portion therebetween, and an immersion nozzle having a molten steel spout located between a peak position of a DC magnetic field of the upper magnetic poles and a peak position of a DC magnetic field of the lower magnetic poles, the method comprising braking a molten steel flow with the DC magnetic fields respectively applied to the pair of upper magnetic poles and the pair of lower magnetic poles while stirring a molten steel with an AC magnetic field simultaneously-applied to the pair of upper magnetic poles, the strength of an AC magnetic field applied to the upper magnetic poles is set within the range of 0.060 to 0.090 T and the strengths of DC magnetic fields applied to the upper and lower magnetic poles are controlled within particular ranges in accordance with the width of the slab to be cast and the casting speed. As a result, a high-quality slab having few bubble defects, flux defects and the like is obtained.

No. of Pages : 140 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3608/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : IMMERSSED RELFECTIVE POLARIZER WITH HIGH OFF-AXIS REFLECTIVITY

(51) International classification :G02B5/30  
(31) Priority Document No :61/254,691  
(32) Priority Date :24/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/053751  
Filing Date :22/10/2010  
(87) International Publication No :WO 2011050268 A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)3M INNOVATIVE PROPERTIES COMPANY**  
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33427, SAINT PAUL, MINNESOTA 55133-3427 U.S.A.  
(72)**Name of Inventor :**  
**1)WEBER, MICHAEL, F.**

(57) Abstract :

A film construction includes a broad band reflective polarizing film that may be immersed in an ultra low refractive index medium. The reflecting polarizing film is characterized by a pass axis and a block axis, and its reflectivity for white light of the pass state polarization increases with increasing incidence angle to provide a compressed or narrowed viewing cone in one or two planes.

No. of Pages : 79 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3609/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

(54) Title of the invention : GRADIENT LOW INDEX ARTICLE AND METHOD

(51) International classification :G02B5/02  
(31) Priority Document No :61/254,673  
(32) Priority Date :24/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/053662  
Filing Date :22/10/2010  
(87) International Publication No :WO 2011/050228 A3  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)3M INNOVATIVE PROPERTIES COMPANY**

Address of Applicant :3M CENTER, POST OFFICE BOX  
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(72)Name of Inventor :

**1)HAAG, ADAM D.**

**2)EDMONDS, WILLIAM F.**

**3)PETAJA, JASON, S.**

**4)NELSON, ERIC, W.**

**5)KOLB, WILLIAM BLAKE**

**6)HAO, ENCAI**

**7)LU, FEI**

**8)FREE, MICHAEL BENTON**

(57) Abstract :

A gradient optical film and an optical construction including the gradient optical film are described. The gradient optical film includes a binder, a plurality of particles, and a plurality of interconnected voids having a local volume fraction. The local volume fraction of the plurality of interconnected voids varies along a thickness direction of the gradient optical film. The refractive index of the gradient optical film can also varies along a thickness direction of the gradient optical film, as the refractive index can also depend upon the local volume fraction of the plurality of interconnected voids.

No. of Pages : 63 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.87/KOL/2013 A

(19) INDIA

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

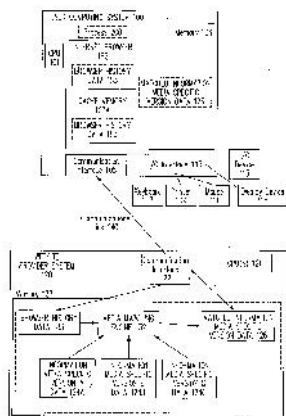
(43) Publication Date : 26/07/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING SECURE LOAN-BASED TRANSACTIONS

(51) International classification	:G07F19/00	(71)Name of Applicant :
(31) Priority Document No	:13/356,068	1)INTUIT INC.
(32) Priority Date	:23/01/2012	Address of Applicant :2700 COAST AVENUE,
(33) Name of priority country	:U.S.A.	MOUNTAIN VIEW, CALIFORNIA 94043 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SNOW, JESSICA L.
(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 loan is made to a borrower such that the loan funds remain in an account associated with the borrower and cannot be directly accessed by the borrower as cash/currency. The borrower then submits a purchase request indicating items the borrower desires to purchase via a secure loan-based transaction using the approved loan funds. The borrower's purchase request is analyzed and, if the requested purchase is deemed appropriate, the purchase is approved. The funds required to make the approved purchase are then transferred from the borrower's loan account to designated/approved merchant(s) directly, without the transfer of cash to the borrower. The borrower is then informed of the completed financial transaction and the requested purchase items are obtained by, and/or delivered to, the borrower.



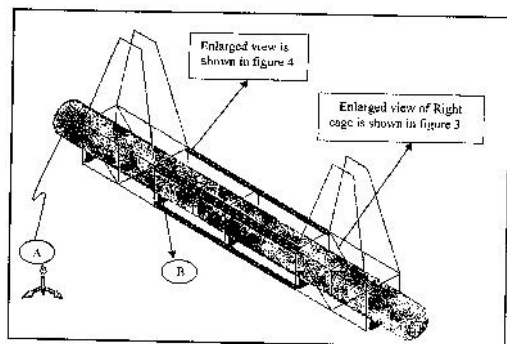
No. of Pages : 65 No. of Claims : 38

(54) Title of the invention : A SYSTEM FOR LIFTING AND SUPPORTING OF LONG SLENDER STRUCTURE IN PARTICULAR FEED WATER STORAGE TANK OF DEAERATION SYSTEM ADOPTED IN THERMAL POWER PLANT.

(51) International classification	:F02C 3/30	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)BHARAT HEAVY ELECTRICALS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :REGION CAL 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)POOJA SINGH</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a system for lifting and supporting of a long slender structure in particular Feed Water Storage Tank of Deaeration system adopted in thermal power plant, comprising one each right side cage and left side cage, each made up of a plurality of ISMB beams which are inter-connected through a truss member assembly, at least three truss members oriented perpendicularly with each-other are welded between the two cages in all four corners of the cages, the truss members are laced with V - shaped bracings which are welded by keeping constant distances amidst all the truss members in full length, a middle frame consists of four ISMB beams which is welded to the system body such that centre of gravity of the lifting structure coincides with the centre of gravity of the lifting means; and at least two pairs of ropes attached at each corner of both the cages through eye-hooks including also at the top it is two spreader beams attached to both the sides of the cages at the top portion of the system.



No. of Pages : 15 No. of Claims : 3

(54) Title of the invention : TO A REAL TIME METHOD OF AUTOMATIC INSPECTION OF TUYERS IN BLAST FURNACE TO REDUCE DOWNTIME OF THE FURNACE

(51) International classification	:C21B 5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-
(86) International Application No	:NA	831001, Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MR. VASANTH SUBRAMANYAM
(61) Patent of Addition to Application Number	:NA	2)MR. PRABAL PATRA
Filing Date	:NA	3)MR. SATYANARAYAN SISTLA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a real time method of automatic inspection of tuyers in blast furnace to reduce downtime of the furnace, the method comprising the steps of : on-line acquiring of digital operational data of the tuyeres including associated blast furnace data by a plurality of CCD cameras disposed as an array and acting as visual sensors to monitor each tuyere, the cameras having Gig E connectivity and set-up with a frame jot of at least 35 frames/second; connecting a powered over Ethernet (POE) switch at a first end the cameras and connecting a second end of the POE Switch to a first fibre optic media converter such that the captured digital data in the form of image is transmitted from the cameras to the first optic media converter; providing a second fibre optic media converter in the control room to receive data from the first fibre optic media converter via fibre optic cables; and providing an image processing unit at the control room for receiving the images from the second fibre optic media converter to determine the blockages in the tuyeres including thermal profile of the tuyeres with temperature and heat zones; and a display device operably connected to the image processing unit to display the processed images including means for raising audio alarm when the processed parameters exceed threshold values.



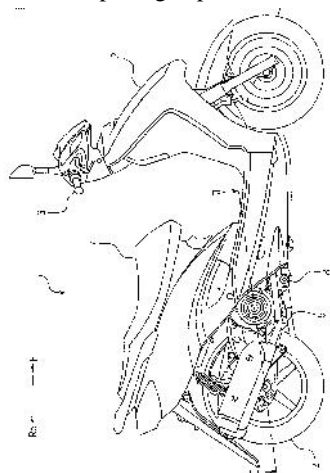
No. of Pages : 17 No. of Claims : 1

(54) Title of the invention : INTERNAL COMBUSTION ENGINE AND STRADDLE-TYPE VEHICLE INCLUDING THE SAME

(51) International classification	:B62M6/20	(71)Name of Applicant :
(31) Priority Document No	:2012-012230	<b>1)YAMAHA HATSUDOKI KABUSHIKI KAISHA</b>
(32) Priority Date	:24/01/2012	Address of Applicant :2500 SHINGAI, IWATA-SHI,
(33) Name of priority country	:Japan	SHIZUOKA -KEN, 438-8501, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)SATOSHI KUMAGAI</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 forced air-cooled engine includes a crankcase, a cylinder block, a cylinder head, a cooling fan, and a shroud arranged to cover a portion of the crankcase, the cooling fan, and a portion of the cylinder block and a portion of the cylinder head. Fins are provided at least in a region of the cylinder block covered by the shroud. The shroud includes a facing wall portion that faces the fins. An exhaust opening is provided between the facing wall portion and the cylinder block, and opens away from the cooling fan.



No. of Pages : 74 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1/KOL/2013 A

(19) INDIA

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

(43) Publication Date : 26/07/2013

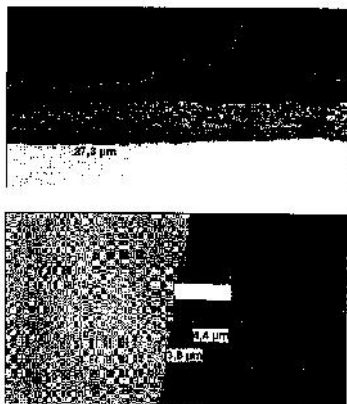
(54) Title of the invention : LOW-ALLOYED STEEL AND COMPONENTS MADE THEREOF

(51) International classification :C22C  
(31) Priority Document No :102012100444.7  
(32) Priority Date :19/01/2012  
(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)GESENKSCHMIEDE SCHNEIDER GMBH**  
Address of Applicant :ULMER STRASSE 112, 73431  
AALEN, GERMANY  
(72)**Name of Inventor :**  
**1)KOLBE PETER**  
**2)SCHMITZ ERNST-PETER**  
**3)KOERNER THOMAS**  
**4)SCHWARZ OTTMAR**

(57) Abstract :

1. Low-alloyed steel with the alloy contents: 0.3 to 0.50wt.% carbon: preferably 0.35 to 0.4wt.% C; 2.0 to 5.0wt.% silicon: preferably 2.5 to 4wt.% Si; The remainder being comprised of iron as well as of up to 0.5wt.% impurities.



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.49/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012

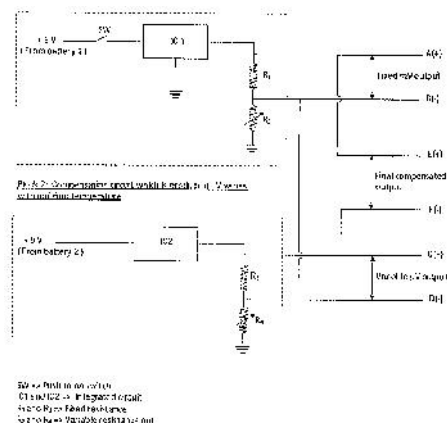
(43) Publication Date : 26/07/2013

(54) Title of the invention : A LOW COST CALIBRATOR CUM SIMULATOR HAVING AN INJECTOR FOR MOLTEN STEEL TEMPERATURE MEASUREMENT SYSTEM.

(51) International classification	:B21D41/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)STEEL AUTHORITY OF INDIA LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :DURGAPUR STEEL PLANT,
(33) Name of priority country	:NA	DURGAPUR-713203, West Bengal India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DEBNATH ATANU</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 low cost simulator cum calibrator device for calibration of Molten Steel Temperature measurement system in good order is disclosed. More particularly, the present invention relates to a low cost simulator cum calibrator involving simple IC based mV injector circuit comprising a main circuit and a compensation circuit capable of providing compensated voltage output corresponding to a injected temperature to ensure precise and reliable measurement of Molten Steel Temperature at Bath of Converters, Ladles at LF etc. and Tundish at CCP, as and when required by Operation/Instrumentation people in a user friendly manner. The device is simple in construction, small and compact, easy to handle and carry and consumes less battery power as compared to conventional microprocessor based simulator cum calibrator.



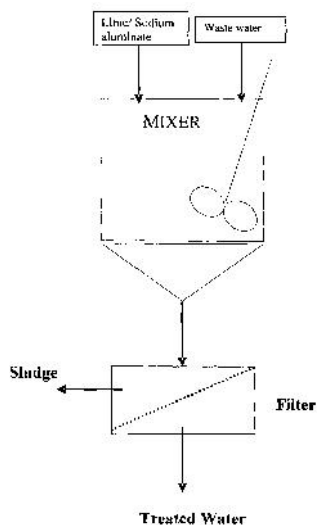
No. of Pages : 10 No. of Claims : 6

(54) Title of the invention : A SINGLE-STAGE PROCESS OF REMOVING CHLORIDE FLUORIDE AND SULPHATES FROM INDUSTRIAL WASTE WATER USING AMPHOTERIC SALT ACTING AS A COMPLEX METRIC AGENT

(51) International classification	:C08F 2/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	AND SCIENTIFIC SERVICES DIVISION, JAMSHEDPUR-
(86) International Application No	:NA	831001, Jharkhand India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. PINAK PANI BISWAS
(61) Patent of Addition to Application Number	:NA	2)DR. SUPRIYA SARKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The invention relates to a process for removing halides from waste water effluents comprising : reduction of chloride compounds from industrial effluents by addition of aluminum compounds at pH 12 at different temperature; subjecting the compounds to a step of removing and followed by filtration in a mix reactor; wherein the step of reduction of chloride compounds constitutes chemo-precipitation by preparing slurry of chemicals dissolved in waste water in a ratio from 1:5 to 1:20 at a reaction speed of 800 to 900 rpm in the mix reactor for a period of maximum 30 minutes to form insoluble calcium alumino chloro complex precipitant.



No. of Pages : 14 No. of Claims : 7



(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : LINKING A NAME TO A PHONE NUMBER IN A TEXT MESSAGE BASED ON A CONTACT LIST IN A MOBILE DEVICE

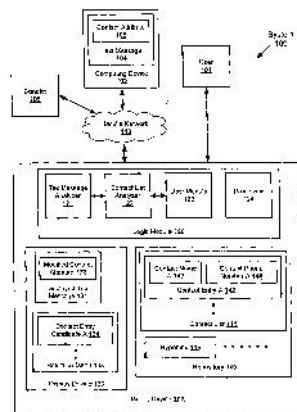
(51) International classification	:H04W4/14
(31) Priority Document No	:13/355,253
(32) Priority Date	:20/01/2012
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71) **Name of Applicant :**  
**1) INTUIT INC.**  
 Address of Applicant : 2700 COAST AVENUE,  
 MOUNTAIN VIEW, CALIFORNIA 94043 U.S.A.

(72) **Name of Inventor :**  
**1) CHANNAKESHA VA, GIRISH MALLENAHALLY**  
**2) COOK, SCOTT S.**

(57) Abstract :

A method to initiate a phone call to a contact. The method includes analyzing a text message to identify a first attribute of the contact, and selecting one or more entries from a contact list stored in the mobile device by matching the first attribute of the contact to a portion of each of the one or more entries. The method also includes identifying a second attribute of the contact from the one or more entries based on a first pre-determined criterion, and modifying the text message to generate a displayed text message comprising a modified attribute that is modified from the first attribute based on the second attribute. The method also includes receiving a user selection as a first input indicating a user selected the modified attribute in response to viewing the displayed text message, and initiating the phone call to the contact based on the phone number.



No. of Pages : 40 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.59/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN INTEGRATED SYSTEM FOR SECURED ACCESS AND EXIT TO AND FROM PREMISES, HOUSING COMPLEXES/ENTERPRISES AND THE LIKE.

(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)CHOUDHURY, AMITAVA**

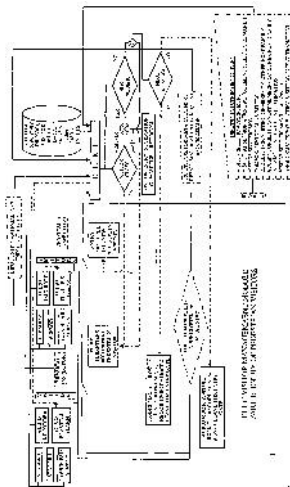
Address of Applicant :17/13/B GENEXX VALLEY, OPP:  
JOKA TRAM DEPOT, DIAMOND HARBOUR ROAD,  
KOLKATA 700104, West Bengal India

(72)Name of Inventor :

**1)CHOUDHURY, AMITAVA**

(57) Abstract :

An integrated system for secured access to and from premises, housing complexes/enterprises and the like involving entry and exit point visitor data correlation and authentication. More particularly, the present invention is directed to an Integrated Multiport Embedded System named ELEC, providing an Enterprise Level Solution for Operations and Management of Integrated Community Housing Establishments /Residential Complexes, adapted for beneficial application in residential format in modern urban India and other developing countries. Importantly, the system of the invention basically involves entry and exit point visitor sensory data correlation and authentication along with visitor entry confirmation and exit authentication by designated host over dedicated group (family) communication devices capable of secured identification of host connected to an Interactive Voice Response System. The system also involve processor adapted to receive inputs from sensor means and process the same and operate drive means to open or close the exit based on said verified access and/or send alert signals to administrator location.



No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.66/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :18/01/2013

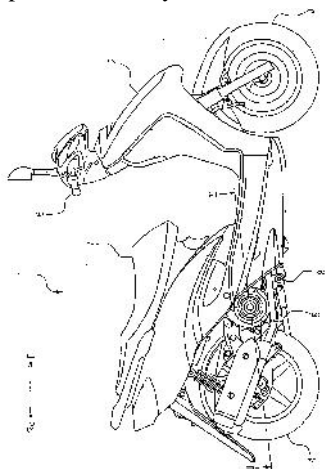
(43) Publication Date : 26/07/2013

(54) Title of the invention : INTERNAL COMBUSTION ENGINE AND STRADDLE-TYPE VEHICLE INCLUDING THE SAME

(51) International classification	:B62M6/20	(71)Name of Applicant :
(31) Priority Document No	:2012-012229	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:24/01/2012	Address of Applicant :2500 SHINGAI, IWATA-SHI,
(33) Name of priority country	:Japan	SHIZUOKA -KEN, 438-8501, JAPAN
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SATOSHI KUMAGAI
(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 engine includes a crankcase, a cylinder block, a cylinder head, a piston, a cooling fan, and a shroud having an inner wall portion and an outer wall portion. A suction port is provided in a region of the outer wall portion facing the cooling fan. The inner and outer wall portions define a duct extending from the suction port to reach at least a portion of the cylinder block and/or at least a portion of the cylinder head.



No. of Pages : 63 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.69/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :24/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : A METHOD OF OPERATING A TUNDISH AT A MAXIMUM OPERATING LEVEL OF MOLTEN STEEL THEREIN

(51) International classification	:G01F 23/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TATA STEEL LIMITED
(32) Priority Date	:NA	Address of Applicant :RESEARCH AND DEVELOPMENT
(33) Name of priority country	:NA	DIVISION, JAMSHEDPUR-831001, Jharkhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VIKAS SINGH
(87) International Publication No	: NA	2)ANURAG TRIPATHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention discloses a single strand tundish with furniture for efficient molten metal flow characteristics which has an outlet in its base. The outlet is spaced longitudinally of the tundish from a pour zone. The pour zone is positioned to receive a stream of molten steel from a ladle. A baffle (furniture) is provided on the floor of the tundish near the pour zone, the baffle has numerous holes to allow passage of molten steel from the pour zone towards outlet smoothly. The holes are cylindrical in shape, placed uniformly and aligned to longitudinal direction of the tundish. The baffle is positioned at a distance from inlet of 15-30% of the longitudinal distance between an inlet shroud and the outlet. The holes are configured to have maximum possible passage area with an optimum level of overall baffle strength. The diameter of the hole is kept at about 15.5% of the tundish base width. The baffle extends upwardly from the tundish floor beyond the maximum operating level of steel in the tundish.

No. of Pages : 24 No. of Claims : 1

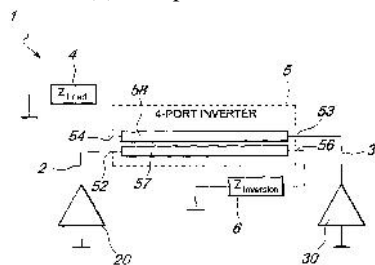
(54) Title of the invention : POWER AMPLIFIER WITH MODIFIED DOHERTY TOPOLOGY

(51) International classification :H04B1/16  
 (31) Priority Document No :12425015.0  
 (32) Priority Date :24/01/2012  
 (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)SYSTEM ENGINEERING SOLUTIONS S.R.L.**  
 Address of Applicant :VIA GIACOMO ZANELLA, 21,  
 20851 LISSONE, ITALY  
 (72)**Name of Inventor :**  
**1)MARCO CARCANO**

(57) Abstract :

A power amplifier with a modified Doherty topology (1) adapted to drive a load (4), comprising a main circuit (2) in turn comprising a main amplifier (20), and an auxiliary circuit (3) in turn comprising an auxiliary amplifier (30), comprising moreover a circuit (5) with paired transmission lines (57, 58) which is adapted to connect the main circuit (2) to the auxiliary circuit (3).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.56/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date : 26/07/2013

(54) Title of the invention : AN INTEGRATED CIRCUIT MODULE AND A METHOD FOR PROCESSING A SIGNAL

(51) International classification	:H03H 11/26	(71) <b>Name of Applicant :</b> <b>1)SIEMENS AKTIENGESELLSCHAFT</b> Address of Applicant :WITTELSBACHERPLATZ 2 80333 MÜNCHEN GERMANY
(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)MANISH BIRLA</b>
Filing Date	:NA	<b>2)KIRAN NAGARAJ</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 an integrated circuit (IC) module (10) and a method for processing an input signal (20). The IC module (10) comprises a first module (120), a second module (130) and a third module (140). The first module (120) filters out a noise signal (100) from the input signal (20) and obtains a filtered signal (150). The second module (130) auto correlates the filtered signal (150) and obtains an auto-correlated signal (160), whereas the third module (140) determines a periodicity (30) of the filtered input signal (150). The first module (120) and the second module (130) are configurable responsive to the input signal (20).

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

(54) Title of the invention : AN EASILY ATTACHABLE AND DETACHABLE MULTI-APPLICATION SPACE FRAME NODE CONNECTOR DEVICE FOR JOINING TUBULAR MEMBERS

(51) International classification

:F16B  
12/28

(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)BHARAT HEAVY ELECTRICALS LIMITED**

Address of Applicant :REGIONAL OPERATIONS

DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,

KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091,

HAVING ITS REGISTERED OFFICE AT BHEL HOUSE,

SIRI FORT, NEW DELHI - 110049, INDIA.

(72)Name of Inventor :

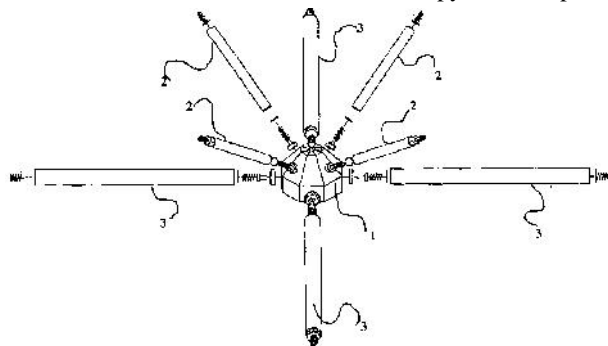
**1)PUSHPA YADAV**

**2)MOHAMED MUNEER KONTHEDATH MADATHIL**

**3)PILLARISETTI MEHER LAKSHMI PRASAD**

(57) Abstract :

The invention relates to a node connector device in space frame structure. The points at which tubular members come together are called nodes or nodal points which are connectors capable of accommodating multiple elements coming together at different angles. There are many nodal connector systems in use. The connector may be in various shapes like spherical, ellipsoidal, cylindrical, octahedron and tetrahedron. This invention employs a hollow octagonal node connector for space frame structure. Hollow Octagonal node connector consists of sixteen tangent planes of sixteen quadrilaterals with eight mounting holes with included angles of 0° to 45° based on height, placed respectively at the alternating centers of the quadrilaterals. The joint connects a plurality of tubular members coming from various directions in space to meet at a node. The plurality of space frame tubular members are connected together so as to lie in respective relatively orthogonal planes by means of the joint. Each space frame tubular member and the connector assembly is provided in series. Hollow octagonal node connector formed into a square tangent surfaces and trapezoidal surfaces with mounting holes. The mounting holes are through drilled holes. Mounting holes are totally free from the internal threading. These mounting holes are drilled for receiving a connecting tubular member with the help of fasteners. The assembled device exhibits a pyramid shape.



No. of Pages : 24 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.74/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 26/07/2013

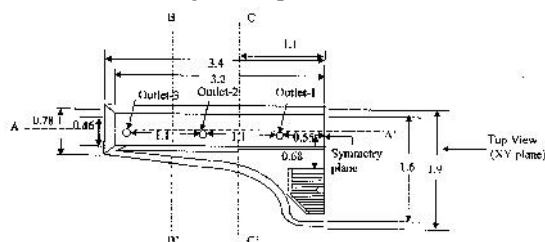
(54) Title of the invention : A CURVED SHAPE MULTI-STRAND BILLET CASTER TUNDISH IN A CONTINUOUS METAL CASTING SYSTEM

(51) International classification :B22D11/00  
(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 STEEL LIMITED**  
Address of Applicant :RESEARCH AND DEVELOPMENT  
AND SCIENTIFIC SERVICES DIVISION JAMSHEDPUR  
831001, Jharkhand India  
(72)**Name of Inventor :**  
**1)ANURAG TRIPATHI**  
**2)S.K. AJMANI**

(57) Abstract :

The invention relates to a multi-strand tundish in a continuous metal casting process, the tundish constituting a buffer between a ladle and mold for receiving molten metal in an inlet and discharging the molten metal at one or more outlet, the tundish provided with a well block at the bottom of a curved shape wall of the tundish, being equal to smallest width of the tundish in the narrower region, wherein the well block depth is 25 % of the liquid steel bath height near the pouring region and 38 % of the bath height along the rest of the bath, wherein the width of the well block is 0.46 m with the length equaling that of the tundish, and wherein the shroud submergence depth of the tundish is 50 % of the bath height.



No. of Pages : 23 No. of Claims : 5



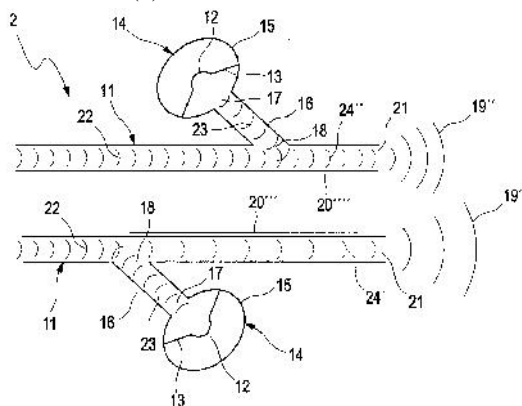
(54) Title of the invention : EXHAUST GAS DEVICE FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification :F01N3/08  
 (31) Priority Document No :DE102012200712.1  
 (32) Priority Date :19/01/2012  
 (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)J. EBERSP.,CHER GMBH & CO.KG.**  
 Address of Applicant :POSTFACH 100361, 73703  
 ESSLINGEN, GERMANY  
 (72)**Name of Inventor :**  
**1)MICHAEL POMMERER**  
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## (57) Abstract :

The present invention relates to an exhaust gas device (2) for an internal combustion engine (3), preferably a motor vehicle (1) having an exhaust gas system (5) which has two exhaust gas pipes (11) at least in a rear section X which are each connected to at least one appurtenant acoustic actuator (12) in a sound-transmitting manner. An improved acoustic behaviour or an increased number of noises audible from outside is ensured whereby the exhaust gas pipes (11) are configured to be dissimilar and/or the actuators (12) can be activated individually. The invention additionally relates to a method for controlling the actuators (12) of the exhaust gas device (2), where a control device (25) individually activates the actuators (12), whereby in particular different acoustic signals (23) of the respective actuators (12) can be generated. Finally, the invention relates to a motor vehicle (1) having such an exhaust gas device (2), whose acoustic actuators (12) are in particular controlled by such a method. The motor vehicle (1) has additional actuators (29, 31) which in particular are assigned to an intake system (30) or are disposed in the interior of the motor vehicle (1).



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(54) Title of the invention : ERGONOMIC FOOTWEAR

(51) International classification :A43B23/08  
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 (32) Priority Date :19/01/2012  
 (33) Name of priority country :Taiwan  
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 (62) Divisional to Application Number :NA  
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(71)Name of Applicant :

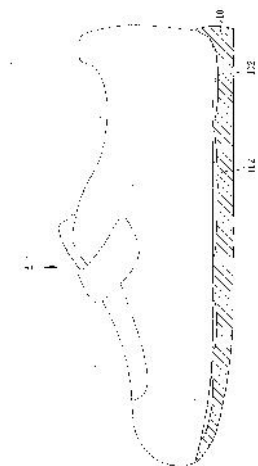
**1)CHENG, HSIEN-HSIUNG**Address of Applicant :5F., NO. 20, SEC. 1, REN'AI RD.,  
JHONGJHENG DIST., TAIPEI CITY 100, R.O.C. Taiwan

(72)Name of Inventor :

**1)CHENG, HSIEN-HSIUNG**

(57) Abstract :

An ergonomic footwear at least includes an outsole having a top surface including a datum plane and at least one contacting portion such configured that a difference in elevation is formed between the contacting portion and the datum plane, wherein the contacting portion is located at a place to which a force is applied by a treading human foot sole of a wearer. Accordingly, such structure can prevent the wearer's sole from sliding with respect to the outsole, thereby facilitating stable treading of the wearer's sole and further enhancing the wearer's walking smoothness.



No. of Pages : 50 No. of Claims : 42

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(54) Title of the invention : AQUEOUS COMPOSITION FOR IMPREGNATION INTO FIBER SHEET

(51) International classification	:D04H1/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2012-012630	<b>1)ARCH CHEMICALS JAPAN, INC.</b>
(32) Priority Date	:25/01/2012	Address of Applicant :27-16, HAMAMATSUCHO 1-CHOME, MINATO-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	<b>2)UNICHARM CORPORATION</b>
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)FURUKAWA MAYUMI</b>
(87) International Publication No	: NA	<b>2)SAKATA KAZUHIKO</b>
(61) Patent of Addition to Application Number	:NA	<b>3)UEDA TAKAHIRO</b>
Filing Date	:NA	<b>4)BANDO OH TAKESHI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

[Problem to be Solved] To provide an aqueous composition for impregnation into a fiber sheet that has a good anti-microorganism and antiseptic and preservative performance, has excellent storage stability of the impregnated liquid, and is gentle on the skin.

[Solution] An aqueous composition, which is free from a paraben, and includes, as a chemical solution, polyaminopropyl biguanide, which is a cationic biocide, or a mixture of polyaminopropyl biguanide and a quaternary ammonium salt; sodium benzoate; citric acid; disodium ethylenediaminetetraacetate; a non-ionic surfactant; and water, wherein the chemical solution has a pH of 3.5 to 4.5.

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

## **REVOCATION OF PATENTS (CHENNAI)**

Any person interested may, within 3 months from the date of publication of the notice, give notice of opposition to the controller in form-14 in duplicate under rule 87 and Patents Act, 1970.

S.NO	PATENT NO	IPAB/Office Order
1	223959	Office order dtd. 25.02.2011
2	203552	IPAB order no 123 of 2013

### **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	188753	2195/DEL/1998	27/07/1998		A PROCESS FOR THE PREPARATION OF 3-N-BENZYLIDENE DERIVATIVE OF BETULINIC ACID	<b>DABUR RESEARCH FOUNDATION</b>		DELHI
2	189430	988/DEL/1994	03/08/1994	20/08/1993	A TWO-STROKE ENGINE OIL COMPOSITION	<b>BP CHEMICALS LIMITED</b>	22/02/2003	DELHI
3	190383	1542/DEL/1998	05/06/1998	11/06/1997	CHEMICAL PROCESS	<b>ZENECA LIMITED</b>	22/02/2003	DELHI
4	256702	63/DEL/2004	16/01/2004		HIV-1 INDIAN SUBTYPE C VACCINE CONSTRUCTS FOR USE IN HUMANS	<b>SETH , PRADEEP</b>	30/03/2012	DELHI
5	256706	4531/DELNP/2006	11/02/2005	11/02/2004	HYBRID POLYPEPTIDES WITH SELECTABLE PROPERTIES HAVING ENHANCED ACTIVITIES	<b>AMYLIN PHARMACEUTICALS, LLC,ASTRAZENECA PHARMACEUTICALS LP</b>	24/08/2007	DELHI
6	256707	5265/DELNP/2005	04/06/2004	05/06/2003	A COLLAGEN FOIL	<b>BAXTER INTERNATIONAL INC.,BAXTER HEALTHCARE S.A.</b>	17/08/2007	DELHI
7	256717	3414/DELNP/2006	17/12/2004	17/12/2003	POLYPEPTIDE USED AS A MEDICAMENT FOR TREATING VIRAL INFECTIONS	<b>AI2 LIMITED</b>	20/04/2007	DELHI
8	256719	1680/DELNP/2004	19/12/2002	11/10/2002	A PROCESS FOR PREPARING 2-(SUBSTITUTED PHENYL)-2-HYDROXY-ETHYLCARBAMATE COMPOUND OF FORMULA I	<b>ORTHO-MCNEIL PHARMACEUTICAL, INC.</b>	17/08/2007	DELHI
9	256720	7005/DELNP/2007	23/07/2003	08/08/2002	(CO)POLYMERS OBTAINED BY (CO)POLYMERIZATION	<b>ARKEMA</b>	28/09/2007	DELHI
10	256721	6202/DELNP/2006	05/12/2006	11/12/2002	ELECTROLUMINESCENT DEVICES WITH LOW WORK FUNCTION ANODE	<b>LG CHEM LTD</b>	31/08/2007	DELHI
11	256722	3411/DELNP/2006	15/12/2004	15/12/2003	LSA-5 LIVER STAGE AND BLOOD STAGE ANTIGEN OF PLASMODIUM FALCIPARUM, IMMUNOGENIC COMPOSITION COMPRISING SAID ANTIGEN AND VACCINES AGAINST MALARIA.	<b>INSTITUT PASTEUR</b>	31/08/2007	DELHI

12	256723	2437/DEL/2005	20/03/1998		A METHOD OF MAKING A STATOR ASSEMBLY	<b>LIGHT ENGINEERING CORPORATION</b>	09/11/2007	DELHI
13	256726	4705/DELNP/2005	26/04/2004	25/04/2003	A METHOD FOR MARKING VIDEO IMAGE DATA	<b>THOMSON LICENSING</b>	17/08/2007	DELHI
14	256730	4460/DELNP/2008	06/12/2006	16/12/2005	SULFUR-CONTAINING OLIGOMERS AND HIGH INDEX POLYURETHANES PREPARED THEREFROM	<b>PPG INDUSTRIES OHIO, INC.</b>	15/08/2008	DELHI
15	256731	7126/DELNP/2006	16/06/2005	17/06/2004	ORGANIC COMPOUNDS	<b>NOVARTIS AG</b>	24/08/2007	DELHI
16	256732	873/DELNP/2007	17/06/2005	30/07/2004	PROPYLENE COPOLYMER COMPOSITIONS WITH HIGH TRANSPARENCY	<b>SAUDI BASIC INDUSTRIES CORPORATION</b>	03/08/2007	DELHI
17	256737	560/DELNP/2007	29/07/2005	30/07/2004	DISPERSANT VISCOSITY MODIFIERS CONTAINING AROMATIC AMINES	<b>THE LUBRIZOL CORPORATION</b>	17/08/2007	DELHI
18	256743	7923/DELNP/2006	03/12/2004	11/06/2004	PROCESS FOR THE MANUFACTURE OF CHROMAN DERIVATIVES, ESPECIALLY ALPHA-TOCOPHEROL AND ALKANOATES THEREOF	<b>DSM IP ASSETS B.V.</b>	03/08/2007	DELHI
19	256748	356/DEL/1998	11/02/1998		AN AIR DEPLOYABLE DEVICE FOR RESCUE OF SURVIVORS AT SEA	<b>THE CHIEF CONTROLLER, RESEARCH &amp; DEVELOPMENT MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.</b>	16/05/2008	DELHI
20	256749	1046/DEL/2002	18/10/2002	30/10/2001	STEAM FEED HOLE FOR RETRACTABLE PACKING SEGMENTS IN ROTARY MACHINES	<b>GENERAL ELECTRIC COMPANY</b>	28/01/2005	DELHI
21	256752	4692/DELNP/2006	29/03/2005	29/03/2004	AN ELECTROCHEMICAL DEVICE	<b>LG CHEM LTD.</b>	15/06/2007	DELHI
22	256756	1070/DEL/2001	22/10/2001	23/10/2000	MECHANICAL VARIABLE-SPEED DRIVE	<b>BONFIGLIOLI RIDUTTORI S.P.A., UMBRA CUSCINETTI S.P.A.</b>	12/06/2009	DELHI
23	256757	1013/DEL/1999	26/07/1999	03/08/1998	DEVICE FOR LOADING AND CENTRING OF SPOOLS ON SUPPORT PLATES AND METHOD THEREOF	<b>SAVIO MACCHINE TESSILI S.p.A</b>	20/03/2009	DELHI
24	256758	2087/DELNP/2008	01/09/2006	21/09/2005	CARBOXAMIDE DERIVATIVES AS MUSCARINIC RECEPTOR ANTAGONISTS	<b>PFIZER INC.</b>	11/07/2008	DELHI
25	256759	2862/DELNP/2006	15/11/2004	18/11/2003	AMIDE BASED SPUN FIBRE COMPOSITION	<b>HONEYWELL INTERNATIONAL INC.,</b>	10/08/2007	DELHI

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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	256703	1973/MUM/2007	04/10/2007		VEHICLE HEATING SYSTEM AND METHOD OF HEATING VEHICLE THEREOF	TATA MOTORS LIMITED	14/12/2007	MUMBAI
2	256704	697/MUMNP/2008	18/08/2006	23/09/2005	ROTOR AND ROTOR HOUSING FOR A CAMSHAFT ADJUSTER AND PRODUCING METHOD	NEUMAYER TEKFOR HOLDING GMBH	16/05/2008	MUMBAI
3	256708	1683/MUM/2007	03/09/2007		PROCESS FOR THE PREPARATION OF CARVEDILOL FREE FROM BIS IMPURITY	IPCA LABORATORIES LIMITED	08/05/2009	MUMBAI

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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	256709	5195/CHENP/2007	07/03/2003	12/03/2002	PROCESS FOR PRODUCING TRANS-4-AMINO-1-CYCLOHEXANECARBOXYLIC ACID DERIVATIVE	SHIONOGI & CO LTD	27/06/2008	CHENNAI
2	256710	18/CHENP/2008	30/06/2006	30/06/2005	HYDROGEN GENERATING DEVICE	GS YUASA INTERNATIONAL LTD.	26/12/2008	CHENNAI
3	256712	4464/CHENP/2007	19/04/2006	21/04/2005	ACTIVE INTERCONNECTS AND CONTROL POINTS IN INTEGRATED CIRCUITS	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P	25/01/2008	CHENNAI
4	256715	2428/CHENP/2008	06/11/2006	16/11/2005	PROCESS FOR THE PREPARATION OF 1,2,3,9-TETRAHYDRO-CARBAZOL-4-ONE	F. HOFFMANN-LA ROCHE AG	06/03/2009	CHENNAI
5	256724	2001/CHENP/2008	22/09/2006	23/09/2005	METHOD FOR THE PRODUCTION OF A VACUUM INSULATION ELEMENT WRAPPED IN A FILM, FILLED WITH POWDER	va-Q-tec AG	06/02/2009	CHENNAI
6	256725	188/CHENP/2007	15/06/2005	17/06/2004	END MILL	HANITA METAL WORKS LTD	24/08/2007	CHENNAI
7	256727	550/CHENP/2006	13/08/2004	21/11/2003	ON DEMAND NODE AND SERVER INSTANCE ALLOCATION AND DE-ALLOCATION	M/S. ORACLE INTERNATIONAL CORPORATION	22/06/2007	CHENNAI
8	256728	2353/CHE/2006	19/12/2006		A METHOD TO CONFIGURE TEMPORARY ADDRESS IN MANAGED NETWORK ON FAILURE OF DHCP SERVER	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI
9	256729	2468/CHE/2006	29/12/2006		A METHOD FOR MANAGING DATA PACKET BUFFER LEAKS IN A NETWORK PROCESSOR BASED SYSTEM WHEN LOGICAL PORT QUEUES ARE BEING SHUTDOWN	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	28/11/2008	CHENNAI
10	256733	1569/CHENP/2007	17/09/2004	17/09/2004	A METHOD FOR PROVIDING THERMAL COMPENSATION FOR A CORIOLIS FLOW METER	EMERSON ELECTRIC CO.	31/08/2007	CHENNAI



11	256734	1466/CHE/2007	06/07/2007	10/07/2006	CONTROL APPARATUS FOR FUEL PUMP, METHOD FOR DETERMINING ABNORMALITY AND CONTROLLING THE FUEL PUMP	DENSO CORPORATION	05/12/2008	CHENNAI
12	256736	3111/CHENP/2007	01/12/2005	15/12/2004	INSTRUMENT LOOP ADAPTER	ROSEMOUNT, INC	07/09/2007	CHENNAI
13	256738	2093/CHENP/2008	23/10/2006	28/10/2005	INTERNAL COMBUSTION ENGINE	REISSER, HEINZ-GUSTAV, A.	27/02/2009	CHENNAI
14	256739	3246/CHENP/2008	21/11/2006	24/11/2005	METHOD AND DEVICE FOR MELT SPINNING AND COOLING A MULTIFILAMENT THREAD COMPRISING A MEASUREMENT OF THE COOLING AIR TEMPERATURE INSIDE FILAMENT BUNDLE	OERLIKON TEXTILE GMBH & CO., KG	06/03/2009	CHENNAI
15	256740	1118/CHE/2008	06/05/2008 17:11:48	09/05/2007	BOBBIN-RAIL LIFTING AND LOWERING DEVICE IN A ROVING MACHINE	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI	21/08/2009	CHENNAI
16	256741	648/CHE/2005	27/05/2005		A CONTROL SYSTEM FOR HUMIDIFICATION PLANT IN TEXTILE INDUSTRY	THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION,PETROLEUM CONSERVATION RESEARCH ASSOCIATION	27/07/2007	CHENNAI
17	256742	3569/CHENP/2006	29/03/2005	29/03/2004	TWO-DISPLACEMENT SETTING VARIABLE DISPLACEMENT PUMP USED AS ENGINE OVER-THRUST PROTECTION WITH FUEL SYSTEM THERMAL BENEFIT	EATON INDUSTRIAL CORPORATION	22/06/2007	CHENNAI
18	256744	2282/CHENP/2008	03/10/2006	10/11/2005	AN ELECTRICALLY VARIABLE TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC	06/03/2009	CHENNAI
19	256745	649/CHE/2005	27/05/2005		A CONTROL SYSTEM FOR COLLECTING AND DISCHARGING FIBRE WASTES IN TEXTILE INDUSTRY	THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION,PETROLEUM CONSERVATION RESEARCH ASSOCIATION	27/07/2007	CHENNAI
20	256746	567/CHENP/2007	26/10/2000	30/06/2000	A FOAM EARPLUG	3M INNOVATIVE PROPERTIES COMPANY	24/08/2007	CHENNAI
21	256747	595/CHE/2006	31/03/2006		A METHOD FOR PROVIDING IMMEDIATE AVAILABILITY OF SUBSCRIBER IDENTITY MODULE DATA WHEN MOBILE EQUIPMENT IS POWERED ON	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	23/11/2007	CHENNAI

22	256751	2176/CHENP/2008	27/03/2007	27/03/2007	FUEL INJECTION VALVE	mitsubishi electric corporation	06/03/2009	CHENNAI
23	256760	415/CHENP/2007	27/07/2005	30/07/2004	FILTRATION COMPOSITE WITH LOFTED FIBERS FOR ENHANCED AIR PERMEABILITY	KX TECHNOLOGIES LLC	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	256705	279/KOL/2007	26/02/2007		A METHOD OF PRODUCING SILICON POWER SEMICONDUCTOR THYRISTORS WITH NARROW REVERSE RECOVERY PARAMETERS	BHARAT HEAVY ELECTRICALS LIMITED	05/09/2008	KOLKATA
2	256711	2709/KOLNP/2006	17/06/2005	17/06/2004	PROCESS FOR PRODUCING AN AROMATIC CARBONATE	Asahi Kasei Chemicals Corporation	01/06/2007	KOLKATA
3	256713	4986/KOLNP/2007	12/07/2006	05/08/2005	DEVICE FOR ANALYSIS OR ABSORPTION MEASUREMENT ON A SMALL AMOUNT OF LIQUID	HELLMA GMBH & CO. KG.,SAHIRI, THOMAS	04/07/2008	KOLKATA
4	256714	2220/KOL/2008	26/12/2008	10/01/2008	A FUEL CELL BARRIER FILM THAT MINIMIZES SOFTGOOD INTRUSION INTO A FLOW FIELD OF A FUEL CELL STACK PLATE	GM GLOBAL TECHNOLOGY OPERATIONS, INC	17/07/2009	KOLKATA
5	256716	983/KOLNP/2004	16/12/2002	18/01/2002	POLYURETHANE COMPOSITION	SIKA TECHNOLOGY AG	05/05/2006	KOLKATA
6	256718	3374/KOLNP/2006	01/04/2005	16/06/2004	AN IMPROVED ACTUATING DEVICE FOR ACTUATING VALVES	HYDAC ELECTRONIC GMBH	15/06/2007	KOLKATA
7	256735	1326/KOLNP/2006	15/12/2004	23/12/2003	METHOD FOR ISOLATING PROGENITOR CELLS FROM MAMMARY SECRETION	CARAG AG	04/05/2007	KOLKATA
8	256750	2100/KOL/2008	03/12/2008	07/12/2007	A METHOD OF FORMING AN IMPROVED GAS DIFFUSION LAYERS FOR USE IN PROTON EXCHANGE MEMBRANE (PEM) FUEL CELL SYSTEM	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	19/06/2009	KOLKATA
9	256753	2549/KOLNP/2006	05/09/2006	09/03/2004	A SEAT BELT SYSTEM.	ASHIMORI INDUSTRY CO., LTD.	01/06/2007	KOLKATA
10	256754	1738/KOL/2007	27/12/2007	11/01/2007	MULTI-SPEED TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	10/04/2009	KOLKATA
11	256755	605/KOL/2004	28/09/2004	30/09/2003	AN IMPROVED SEAL ASSEMBLY FOR A TROCAR AND A TROCAR WITH THE SEAL ASSEMBLY	ETHICON ENDO-SURGERY INC.	06/10/2006	KOLKATA

***CONTINUED TO PART- 2***