

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> APRIL, 2013

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**THE PATENT OFFICE  
KOLKATA, 26/04/2013**

**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 26/04/2013**  
**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:cgpdtn@nic.in">cgpdtn@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 no third party representation.

## **Early Publication:**

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

(12) PATENT APPLICATION PUBLICATION (21) Application No.833/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013 (43) Publication Date : 26/04/2013

(54) Title of the invention : HARMONIZATION FIXTURE FOR AIRCRAFT HEADING REFERENCE SYSTEM FOR LIGHT TRANSPORT AIRCRAFT

<p>(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</p>	<p>(71)Name of Applicant : <b>1)HINDUSTAN AERONAUTICS LIMITED, TRANSPORT AIRCRAFT DIVISION, KANPUR</b> Address of Applicant :HINDUSTAN AERONAUTICS LIMITED, TRANSPORT AIRCRAFT DIVISION, CHAKERI POST OFFICE, HARJINDER NAGAR KANPUR - 208008 Uttar Pradesh India (72)Name of Inventor : <b>1)TIWARI GANGADHAR 2)YADAV JHARI NANDAN 3)SHARMA HEMANT KUMAR 4)GAUTAM RAJESH KUMAR</b></p>
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(57) Abstract :

AHRS is Attitude And Heading Reference System that provides aircraft attitude, heading and flight dynamics (body rate and accelerations) information, which are typically used for flight control and pilot displays. AHRS consists of an Attitude and Heading Reference Unit (AHRU), a Magnetic Sensor Unit (MSU) and a compass controller unit. To achieve the accurate data regarding aircraft attitude, heading, the installation requirement of AHRU is such that it should be parallel to azimuth, pitch & roll with reference to a/c principal axes within 10 tolerance. The position of unit in aircraft is such that there is no reference point to install the unit in accurate position with respect to aircraft axis. For accurate installation of this unit one fixture is required which provides the right position in all three axes with respect to aircraft. A Fixture has been developed which is used to locate mounting structure of AHRS unit which ensures alignment of unit within 10 in azimuth, pitch & roll with reference to a/c principal axes. Fixture consists of mounting base plate with ICY mounting holes. These holes used to mount it on aircraft seat rails which are jig located structure. There is a vertical member which is attached to the base plate and passes through centre of the base plate. Thereafter an adjustable horizontal plate which has four ICY mounting holes attached to the other end of the vertical member. This adjustable horizontal plate locates mounting bracket of AHRS unit through its ICY mounting holes and ensure alignment of unit within 10 in azimuth, pitch & roll with reference to a/c principal axes. The fixture can be used for installation of similar unit on other aircraft also.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.499/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :21/02/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : BLAST FURNACE SLAG CONCRETE BLOCK FOR CANAL LINING

(51) International classification	:B22D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)DR. VIJAY PAL SINGH</b>
(32) Priority Date	:NA	Address of Applicant :CIVIL ENGINEERING
(33) Name of priority country	:NA	DEPARTMENT, NATIONAL INSTITUTE OF
(86) International Application No	:NA	TECHNOLOGY, KURUKSHETRA, HARYANA-136119.
Filing Date	:NA	India
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)DR. VIJAY PAL SINGH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Blast furnace concrete block for canal lining having a rectangular shape having first, second and third pairs of opposed outer rectangular surfaces, two opposite outer rectangular surface having a locator protrusion of trapezoidal shape extending inwardly to form a hallow intercommunicating with the opposed outer square surface with the help of key block, thereby forming a butter fly shaped. Other two opposite surface have four inset trapezoidal in shape and equally and centrally located two on each opposite face. Locators and insets are provided on faces perpendicular to each other. Concrete block comprising cement, silica fume at an amount of 5 to 10 parts by weight on the basis of 100 parts by weight cement along sand as fine aggregate and coarse aggregate with 20 to 100 parts by weight on the basis of 100 parts by weight cement of blast furnace slag all in aggregate as part of replacement of coarse aggregate with 27 to 35 percent of water along with 1% dose of superplasticizer. All in aggregate prepared from the blast furnace slag steel industries having 100 percent passing from 20mm sieve, 75 percent passing on 16mm sieve, 60 percent passing on 12.5mm sieve, 39 percent passing in 10mm sieve, and less than or equal to 1.0 percent passing from 4.75mm.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.834/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : DEVELOPMENT OF DETENT MECHANISM FOR CONTROL LEVER OF PISTON ENGINE AIRCRAFT

(51) International classification	:B23B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)HINDUSTAN AERONAUTICS LIMITED,</b>
(32) Priority Date	:NA	<b>TRANSPORT AIRCRAFT DIVISION, KANPUR</b>
(33) Name of priority country	:NA	Address of Applicant :HINDUSTAN AERONAUTICS
(86) International Application No	:NA	LIMITED, TRANSPORT AIRCRAFT DIVISION, CHAKERI
Filing Date	:NA	POST OFFICE, HARJINDER NAGAR KANPUR - 208008
(87) International Publication No	: NA	Uttar Pradesh India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)APPASAHEB KADAPPA MALAGAUDANAVAR</b>
(62) Divisional to Application Number	:NA	<b>2)YOGENDRA SINGH</b>
Filing Date	:NA	<b>3)GIRISH KUMAR KHARE</b>

(57) Abstract :

The Detent Mechanism for Pitch Lever Piston Engine Aircraft (Hereafter called as Detent) was basically invented to arrest / stop the movement of Pitch lever in HPT-32 aircraft at a value of 2200 - 2300 rpm of the Engine, when the Pitch lever was being moved from finer pitch towards coarser pitch(Known as Downward movement). One of the aircraft met an accident when the pitch lever was inadvertently moved to fully downward position, which led to discovery of this Detent mechanism to avoid similar accidents by any inadvertent movement of the Pitch lever. This mechanism is a spring loaded mechanism which would mechanically stop the Pitch lever, at a position corresponding to 2200 - 2300 rpm of the engine or defined else by the operator. To move the lever further downward, overriding the stopped position, a deliberate movement is required to operate the detent by the thumb. Once the Detent is in operated / open position, the lever can be pulled to the extreme position. The reverse movement of the Pitch lever i.e. Forward (From coarse to fine pitch) is unhindered at the detent and the lever can be pushed from fully coarse to fully fine pitch, without any effort required to operate the detent. This is due to the unique design of the detent mechanism which uses natural friction to generate operating effort for opening the detent in forward movement of the Pitch lever. After this invention has been invented there were no incidents of any inadvertent movement of the Pitch lever on HPT-32 aircraft, depicting the success story of this invention. This principle of Detent or the mechanism itself can be utilized to arrest similar movement of levers in Automobiles, locomotives, process industry, Aerospace etc.

No. of Pages : 9 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.843/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : MICROARRAY BASED HEAVY METAL OPTICAL BIOSENSOR

(51) International classification

:G01B

(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 COUNCIL OF AGRICULTURAL  
RESEARCH**

Address of Applicant :1, DR. RAJENDRA PRASAD  
ROAD, KRISHI BHAWAN, NEW DELHI - 110001 India

(72)Name of Inventor :

**1)DR. NEELAM VERMA**

**2)SACHIN KUMAR**

**3)HARDEEP KAUR**

(57) Abstract :

Milk is an important food stuff and beneficial to human health. Heavy metal contaminations in milk have been encountered and pose a potential health risk. Realizing need for quick sampling of milk multiple sample analysis microarray based heavy metal optical biosensor has been developed. The developed biosensor is fast and sensitive. In present study microbial whole cell i.e. *Bacillus badius*, a novel isolate of biosensor technology lab, Punjabi University, Patiala itself used for the construction of biosensor. *Bacillus badius* is found to have better enzyme kinetics for Urease. Bioassay principle was based on inhibition of urease activity.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.498/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :21/02/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : SLURRY INFILTRATED MAT CONCRETE PLATED SURFACE STRUCTURE AND METHOD FOR THEIR PRODUCTION THEREOF

(51) International classification	:B28B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DR. VIJAY PAL SINGH</b>
(32) Priority Date	:NA	Address of Applicant :CIVIL ENGINEERING
(33) Name of priority country	:NA	DEPARTMENT, NATIONAL INSTITUTE OF
(86) International Application No	:NA	TECHNOLOGY, KURUKSHETRA, HARYANA-136119.
Filing Date	:NA	India
(87) International Publication No	: NA	<b>2)DR. HARI KRISHAN SHARMA</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DR. VIJAY PAL SINGH</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Slurry Infiltrated Mat Concrete plated surface structure having thickness varying from 25-50 mm made from high performance fiber reinforced concrete comprising a cement slurry matrix made of Portland cement, sand, admixtures (superplasticizer), silica fume and steel fibers characterized in that the fibers were laid in such a way that at least 75-80% fibers are aligned and remaining 20-25 % fibers were randomly distributed with content of steel fibers is 4 to 6 percent by volume having aspect ratio of 400 to 600 and rolled for complete infiltration of slurry in fiber mat.

No. of Pages : 10 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.842/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :20/03/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : DNAZYME BASED LEAD BIOSENSOR

(51) International classification

:A01H

(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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ROAD, KRISHI BHAWAN, NEW DELHI - 110001 India

(72)Name of Inventor :

**1)DR. NEELAM VERMA**

**2)DR. HARDEEP KAUR**

**3)SACHIN KUMAR**

(57) Abstract :

Rapid industrialization, urbanization and modern agricultural practices have led to cumulative pollution of environment by heavy metals, thereby deteriorating water and food product quality. Milk and its products are most prone to heavy metal contamination and lead (Pb II) has been considered as a major contaminant in milk. DNAzyme is the novel functional oligonucleotides, which has RNA cleavage activity specific towards heavy metal ions. The present work has been focused to develop a micro-array based optical DNAzyme lead biosensor for multiple sample analysis, in which the enzyme and substrate strands has been labeled with fluorescent dyes and the FRET phenomenon in the presence and absence of Pb(II) ions has been studied.

No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1275/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : PERSONAL BIOMETRIC IDENTITY KEY FOR ENHANCED SAFETY AND SECURITY

(51) International classification	:G06F21/00
(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	:3493/MUM/2011
Filed on	:12/12/2011
(62) Divisional to Application Number	:NA
Filing Date	:NA

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NIZAMPURA, VADODARA-390024, GUJARAT, INDIA  
(72)**Name of Inventor :**  
**1)PUSHPAKARAN THIYADI**

(57) Abstract :

Personal Biometric Identity key with improvements and /or modifications is a biometric based portable pocket size and handy identity key device, configured on a mobile phone like device ,that can be carried with oneself anywhere everywhere , to use it as a communication(mobile phone) device, to acquire complete live biometric encryption and to activate on site the process of personal identification, verification and/or authentication, comprising one or more biometric scanner systems enclosed in appropriately designed housing ,with a USB male connector system that can be flipped for easy handling , to operate by mating it directly with the main host unit, thus making it an enhanced or increased safety and security device for any type of financial or other transactions, requiring personal validation, on automatic teller machine(ATM), through mobile, online shopping, or at shopping outlets, with/without using credit or debit cards directly ,or entry cum exit to or from homes, secured areas/ security areas, safes, cupboards, and/or vehicles, operation of equipments, etc. The unit will operate with either a built-in power source or from the host unit. The unit is provided with alphanumeric key board (qwerty or other) to input data, a display unit to read out online instruction, camera, microphone, speaker, IRIS /finger print scanner, etc, to operate it on contact or non-contact remote mode through RFID, Wi-Fi, Bluetooth, or SIM based system design .

No. of Pages : 38 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1342/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :09/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : RAZOR SANITIZER IN SHAVING SOAP

(51) International classification	:A61K8/00, A61Q9/02	(71) <b>Name of Applicant :</b> <b>1)LASER SHAVING (INDIA) PVT. LTD.</b> Address of Applicant :5TH FLOOR, MALHOTRA HOUSE, OPP. G.P.O., FORT, MUMBAI: 400 001 Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)DAHANUKAR DILIP S.</b>
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention consists of a shaving soap in the form of cake, stick, shaving cream or shaving foam in an aerosol can with a sanitising chemical compound in its composition. The soap forms a foam during shaving which acts as a delivery vehicle to reach the disinfectant everywhere in the nooks and corners of the shaving head and kill bacterial growth from previous shave. The invention creates a product for removing the growth of bacteria on the shaving razor and thus increases hygiene in the shaving process.

No. of Pages : 6 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1437/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR MATCHMAKING OF CAPITAL BASED AND SKILL BASED PROFILES

(51) International classification	:G06F17/60, G06F17/30	(71) <b>Name of Applicant :</b> <b>1)MR. ZOHEB AMIN</b> Address of Applicant :25/17 AKAR BUILDING, BYRAMJI TOWN, CHITNIVAS LAYOUT, OPP-NADT., NAGPUR. 440013 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)MR. ZOHEB AMIN</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 introduces a portal system for matchmaking of capital based and skill based profiles or a combination thereof, as an interconnection of at least one configurable and namable business process element, the said system comprises of a communication interface for accessing the host computer system from a plurality of remote input/ output devices like mobile devices, iPhone, iPad, Android device, Windows device, Blackberry, etc to manage the business process element, which comprises of a profile creation system to create, and/or consolidate the capital based profiles, skill based profiles and/or combination thereof of plurality of users on the mobile and Portal system, it also consists of an information seeking system to seek information of the profile(s) for a specific category and a selection system to select the profiles by assigning a Selected Profile Score (SPS) through mobile based attribute matching form generation based on Rule Creation Engine 1 and a background checking intelligence system to evaluate the risk factors associated with the selected profile by assigning Risk Profile Score (RPS) through mobile based risk evaluation form generation, involving background check of the profiles and a business intelligent matching system to match the profile(s) based on Rule Creation Engine 2.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1272/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : ANTI THEFT VEHICLE RESTRAINING SYSTEM

(51) International classification	:B60R25/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SUHAS MACHHINDRA SHINDE</b>
(32) Priority Date	:NA	Address of Applicant :47/KADAMBARI NAGARI, PHASE
(33) Name of priority country	:NA	4, PIPELINE ROAD, SAVEDI, AHMEDNAGAR, PINCODE
(86) International Application No	:NA	414003 Maharashtra India
Filing Date	:NA	<b>2)VIVEK POPAT PATEKAR</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)SUHAS MACHHINDRA SHINDE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses an anti-theft signaling system adapted for preventing theft of a vehicle. The anti-theft signaling system includes at least one actuating mechanism selected from one or more of the following, a load cell positioned beneath a driver seat, a fuel tank flap and a solenoid control valve positioned inside the fuel tank. The anti-theft signaling system includes an electronic control unit having a microcontroller that performs a plurality of predefined actions in response to the actuating mechanism. The anti-theft signaling system includes a plurality of relays driven through a driver integrated circuit for performing a plurality of predefined actions. The anti-theft signaling system includes a speedometer having a secondary electronic control unit connected thereto.

No. of Pages : 38 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1335/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :08/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : A COOLING STRUCTURE FOR ICE SKATING RINKS AND ICE SLIDES

(51) International classification	:F25C3/02, E01C13/10	(71)Name of Applicant : <b>1)SANJAY BHIMJI GHEDIA</b> Address of Applicant :A - 35, JIVAN RACHNA CHS, V. P. ROAD, ANDHERI (WEST), MUMBAI-400 058, MAHARASHTRA, INDIA <b>2)MULJI TRIKAM GOHIL</b>
(31) Priority Document No	:NA	(72)Name of Inventor : <b>1)SANJAY BHIMJI GHEDIA</b> <b>2)MULJI TRIKAM GOHIL</b>
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present invention provides a cooling structure for ice skating rinks and ice slides comprising a basin (1) containing water; a plurality of aluminum plates (2) being placed adjacent to each other in the basin (1), each aluminum plate (2) is overlapped at the ends over adjacent aluminum plate to make a single continuous structure, each aluminum plate (2) having plurality of grooves (3); a plurality of longitudinal aluminum pipes (4) placed in the grooves of the aluminum plates (2), among the plurality of longitudinal aluminum pipes (4) half numbers of the aluminum pipes are supply aluminum pipes (5) and remaining half numbers of the aluminum pipes are return aluminum pipes (6); supply section (7) for supplying coolant to the supply aluminum pipes (5); first return section (8) for receiving coolant from the supply section through the supply aluminum pipes (5); second return section (9) for receiving coolant from the first return section (8) through the return aluminum pipes (6); wherein each supply aluminum pipe (5) is placed adjacent and connected to the return aluminum pipe (6) in such a way that the supply section(7), supply aluminum pipe (5), first return section (8), return aluminum pipe (6) and second return section (9) make a close loop and coolant is circulated through the close loop at temperature of -10°C

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1415/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :16/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : THE COMPUTERISED TOUCH-SCREEN VEHICLE UTILITY DEVICE

(51) International classification	:G01C21/26	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)MISS. KOLAMBEKAR MAHANANDA RAMESH</b>
(32) Priority Date	:NA	Address of Applicant :A-204, SWASTIK APT, PLOT NO.
(33) Name of priority country	:NA	41, SECTOR 19, AIROLI, NAVI MUMBAI, 400708
(86) International Application No	:NA	Maharashtra India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)MISS. KOLAMBEKAR MAHANANDA RAMESH</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This is a Computerized Touch-screen Vehicle Utility Device which will do multiple things in one device like road navigation view, DVD/CD/Radio player, Traffic, weather and News Updates, Mobile charging plug, USB plug-in and updates of the vehicle parts... all in one device integrated with vehicle itself.

No. of Pages : 9 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1268/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : A CORDLESS DE-HOOKING SYSTEMS FOR CRANE USED FOR LIFTING AND UNLOADING OF SHEAVES.

(51) International classification	:B66C1/00
(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)MR. ANANDA ISHWARA SAWANT**  
Address of Applicant :BHAGATSING CHOWK,  
RAMANANDNAGAR (KIRLOSKARWADI) TAL: PALUS,  
DIST: SANGLI (416308) Maharashtra India  
(72)**Name of Inventor :**  
**1)MR. ANANDA ISHWARA SAWANT**

(57) Abstract :

Cordless de-hooking system for cranes used for lifting and unloading of sheaves comprising amongst others of main body; a rack & pinion assembly; plurality of movable hooks; plurality of fixed hooks; plurality gear box, electrically operated control valve; spring actuator; hydraulic actuator; oil tank, battery/ external electrical supply; transmitter and receiver, such that when sheaves are to be unloaded, control valve is electrically energized, so that oil flows from hydraulic actuator to oil tank, displacing the spindle, resulting in movement of rack towards spring actuator, leading to compression of spring, causing rotation of movable hooks in downward direction and release of one end of each sling and when sheaves are to be lifted, control valve is electrically de-energized, preventing flow of oil from hydraulic actuator to oil tank , so that displacement of spindle is restrained, hampering movement of rack, resulting in stoppage of rotation of movable hook in downward direction.

No. of Pages : 67 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1262/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : SHAVING DEVICE WITH MULTIPLE UNEQUALLY SPACED BLADES

(51) International classification	:B26B21/22
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)LASER SHAVING (INDIA) PVT. LTD.**  
Address of Applicant :5TH FLOOR, MALHOTRA HOUSE,  
OPP. G.P.O., FORT, MUMBAI: 400 001 Maharashtra India  
(72)**Name of Inventor :**  
**1)DAHANUKAR DILIP S.**

(57) Abstract :

The invention consists of a product called Shaving Device with Multiple Unequally Spaced Blades that has its shaving edges in the form of blades spaced unequally apart from each other. The gaps between the blades are different The first gap between first blade edge (bottom blade) and second blade edge from the bottom and the second gap i.e. the gap between the second and third blade edge from the bottom, are not of equal measurement value.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1442/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :17/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : DENTAL CLEANING DEVICE.

(51) International classification	:A61C17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MR. MARIO GABRIEL DIAS</b>
(32) Priority Date	:NA	Address of Applicant :NO 21, KARMA PAES BLDG,
(33) Name of priority country	:NA	CITY BUS STAND, VASCO DA GAMA, GOA, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)MR. MARIO GABRIEL DIAS</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 disclosed herein double-sided mouth brush is having an angled body shape. The brush is having two sets of contoured bristles on either side of the brush body. One set is so shaped (Concave) so as to clean the outer part of the teeth, and the other set (Convex) cleans the inner parts of the mouth and teeth. It addresses the cleaning of not just the outer side of the teeth.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2623/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVED HYDRODYNAMIC THRUST BEARING SET.

(51) International classification	:F16G33/00, F04B47/06	(71) <b>Name of Applicant :</b> <b>1)MR. JAFAR ALI</b>
(31) Priority Document No	:NA	Address of Applicant :84, A. B. ROAD, OPP. BUS
(32) Priority Date	:NA	STATION, DEWAS Madhya Pradesh India
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)MR. JAFAR ALI</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 hydrodynamic thrust bearing assembly having a bearing support (collar), a plurality of stainless steel tilting pads/shoes, a thrust runner plate comprising annular runner disk and stainless steel housing, the improvement comprising a like plurality of tungsten carbide blades mounted on each of stainless steel tilting pads/shoes and annular bearing disc of -sintered silicon carbide mounted on bearing runner plate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2997/MUM/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : MACHINE AND PROCESS FOR BINDING OF BOOKS FOR LAY FLAT LOOK

(51) International classification :B42C99/00  
(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)NILESH DHIRAJLAL PARMAR**  
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RAJKOT-360 004 Gujarat India  
(72)**Name of Inventor :**  
**1)NILESH DHIRAJLAL PARMAR**

(57) Abstract :

A novel method of binding plurality of pages such that the pages lie flat when book is open which comprise of creating window cut or window slit on the page at a space parallel to the spine of book, die hole punching between the window slit and spine, accomplishing v shaped spine, and stapling between the die hole punching and window slit and a machine which has assembly to window cut, die hole punch and staple resulting in step binding.

No. of Pages : 21 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1109/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : AUTOMATIC ACTIVATION OF DIRECTION CONTROL VALVE USING SHAPE MEMORY ALLOY (NITINOL)

(51) International classification	:F24F11/00
(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)Y. RAS MATHEW**  
Address of Applicant :S/O. P. YANOSE, D.NO.21/100,  
MAVARAVILAI, KALLANKUZHI - POST,  
KANYAKUMARI - DISTRICT, PIN - 629 166 Tamil Nadu  
India

**2)B. GANESH BABU**

(72)**Name of Inventor :**

**1)Y. RAS MATHEW**

**2)B. GANESH BABU**

(57) Abstract :

In Shape memory alloy NiTiInol actuated direction control valve (DCV) the change in position is achieved by using SMA (NiTiInol) spring actuated by electrical resistance or increase in room temperature. Shape Memory Alloy (NiTiInol) spring can recover strain at high temperature, which help to actuates the piston (Port A & Port B) of directional control valve to control the flow of working fluid. The above can be achieved by replacing electric coil by means of NiTiInol spring. Inlet working fluids pressure act as a power source to actuate the small piston, hence it requires less power to actuate the directional control valve (DCV).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1470/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : MEDIUM FOR PROVIDING ELECTRICAL CONNECTIVITY BETWEEN END TERMINAL CONNECTIONS

(51) International classification

:H01R

(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)SATYAM-VENTURE ENGINEERING SERVICES  
PVT. LTD.**

Address of Applicant :1-8-301-306, 3RD FLOOR,  
ASHOKA MYHOME CHAMBERS, S.P. ROAD,  
SECUNDERABAD - 500 003 Andhra Pradesh India

(72)Name of Inventor :

**1)ROSHAN KUMAR JHA  
2)J. BALA SUBRAMANYAM**

(57) Abstract :

Exemplary embodiment of the present disclosure is directed towards a medium for providing electrical connectivity between end terminal connections. The medium includes a flexible circuit comprising three or more layers for carrying a signal and carrying a power between at least two automotive components which are in relative motion. The medium for providing electrical connectivity between end terminal connections further includes a plurality of lead frames affixed to the ends of the flexible circuit.

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1423/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROVIDING FEEDBACK TO MEDIA SENDERS OVER REAL TIME TRANSPORT

(51) International classification	:H04L	(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, 50-53
(33) Name of priority country	:NA	Greaves Road, Chennai- 600006, Tamil Nadu, India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Gaurav Bansal</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 principal object of this invention is to provide regular feedback about the packet losses from a receiver to a sender in a RTP based network, based on which the sender then decides to control its transmission rate resulting in better quality of experience (QoE) for the receiver. Another object of the invention is to propose a method and system to send and receive feedback using lightweight protocol packets on a periodic or on as-per-required basis in a RTP based network. A further object of the invention is to propose a method and system to calculate and forecast Round Trip Times (RTT) at a RTP receiver in a RTP based network using double exponential smoothing methodology to calculate packet losses in that RTT.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1424/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR AUTOMATED ANALYSIS OF CONSUMER PHONE BILL(S) WHILE CORRELATING WITH USER CONTACT LIST(S)

(51) International classification	:H04M, G06Q	(71) <b>Name of Applicant :</b> <b>1)HCL Technologies Limited</b> Address of Applicant :HCL Technologies Ltd, 50-53 Greens Road, Chennai- 600006, Tamil Nadu, 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)Mayank Babu Rastogi</b>
Filing Date	:NA	<b>2)Vijay Pratap Singh Rawat</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and system for automated analysis of consumer phone bill(s) while correlating with User contact list(s). This invention relates to communication networks, and more particularly to analyzing bills related to communication networks. Embodiments herein disclose a method and system of analyzing user interaction bills by correlating records mentioned in the bill with contacts stored by the user.

No. of Pages : 24 No. of Claims : 14

(54) Title of the invention : COMBINATION METHOD TO HARVEST JULIFLORA SHRUB AS A WHOLE WITHOUT UPROOTING TO LET IT REGENERATE WITHIN 3 YEARS ON A MASS SCALE FOR SUSTAINABLE ENERGY PRODUCTION

(51) International classification	:A01G	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MR. NATRAJAN</b>
(32) Priority Date	:NA	Address of Applicant :109/46, PARSAN PARADISE, A-
(33) Name of priority country	:NA	BLOCK, 3RD FLOOR, DOOR NO. A4, G.N. CHETTY
(86) International Application No	:NA	ROAD, T.NAGAR, CHENNAI - 600 017 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)MR. NATRAJAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A combination method for harvesting Juliflora shrub as a whole on a mass scale comprising of (i) a modified feller buncher having reinforced plate and fasteners in addition to quick hitch mechanism to strengthen harvesting head assembly which is able to harvest hardy shrubs of juliflora effectively with minimum downtime, (ii) a shrub collection and stacking mechanism to maintain a steady rate of feed of such juliflora bushes (iii) a whole tree feeding mechanism to include entire shrub and foliage to eliminate wastage (iv) a modified chipping mechanism to convert whole tree into easily and efficiently transportable small chips with the modifications to feed roller for better grip during chipping process, modifications to hydraulic system for better maintenance and modification to in-feed chute easy transportation (v) juliflora chips loading and forwarding mechanism comprising for quick delivery to energy plants resulting in a combination method that is cost-effective, sustainable and efficient self contained mobile system to harvest and process juliflora for production of energy.

No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1599/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :09/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : A SYSTEM AND METHOD TO FACILITATE COOKING USING SOLAR ENERGY

(51) International classification	:F24J
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT//
Filing Date	:01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)PANDI Barath**  
Address of Applicant :G-9, TAC Nagar, Tuticorin-628005  
Tamil Nadu India  
**2)STALIN Joseph**  
**3)MANIKANDAN Gokula**  
(72)**Name of Inventor :**  
**1)PANDI Barath**  
**2)STALIN Joseph**  
**3)MANIKANDAN Gokula**

(57) Abstract :

A system and method to facilitate solar cooking includes an evacuated glass system 104 and a solar collector 102. The solar collector 102 is configured to focus the sunlight onto the evacuated glass system 104. The evacuated glass system 104 includes a phase changing material and a copper tube 402 configured to circulate water through the evacuated glass system 104.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1661/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :12/04/2013

(43) Publication Date : 26/04/2013

(54) Title of the invention : HOSPITAL AND HOME BASED PATIENT LOCATING AND MANAGEMENT SYSTEM

(51) International classification	:G01S	(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, 50-53
(33) Name of priority country	:NA	Greaves Road, Chennai- 600006, Tamil Nadu, India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Shyam Thangaraju</b>
(87) International Publication No	: NA	<b>2)Takameren Longkumer</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Siva Sakthivel</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiments herein relate to patient tracking mechanism and, more particularly, to a time synchronization based indoor positioning system for patient tracking. A tagging device is designed in such a way that it can be worn by the patient whose location/movements inside a building are to be monitored. A plurality of anchor points is deployed in the building, which broadcasts time information to the tagging devices inside the building. The tagging device fetches time information sent by all anchor points in range and measures time discrepancy between time information received from different anchor points. Further, based on the measured discrepancy, the tagging device calculates distance from own location to different anchor points. Further, a spatial location of the tagging device is identified with respect to locations of the anchor points. A server receives location information and sends notification to a configured user device.

No. of Pages : 21 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3929/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :21/09/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : A NOVEL IMPROVED REFRIGERATOR

(51) International classification

:F25D

(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)PAPPALI GOPALAN CHILPRAKASH**

Address of Applicant :CHILTON VILLA, MATER

NAGAR, CHANGAN PUZHA NAGARA POST, KOCHI

Kerala India

(72)Name of Inventor :

**1)PAPPALI GOPALAN CHILPRAKASH**

(57) Abstract :

A refrigerator particularly of a cooling apparatus, comprising a main body which has an inner case defining a storage chamber and an outer case defining an external appearance thereof; a compressor; condenser; an evaporator to cool the inner case and a tray having plurality of louvers , an ozonizer electrically connected to the door, a sealed tank member, a hinged door with glass, drain pipe; Poly Urathaen Foam is inserted in between the inner and outer case.

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



## 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.1153/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :19/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SMART SECURITY SYSTEM FOR VEHICLES

(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)RAJKUMAR DALAL**

Address of Applicant :VILL & POST-SEGA JAGATPUR  
DIST-BULANDSHAHR, 245407 Uttar Pradesh India

(72)Name of Inventor :

**1)RAJKUMAR DALAL**

**2)DEEPAK KUMAR**

**3)GULSHAN CHAUDHARY**

(57) Abstract :

A car be locked or unlocked in two different conventional methods. It can be unlocked either by key or RF based remote control unit. In this document a number of improvements are being proposed (fig. 1).

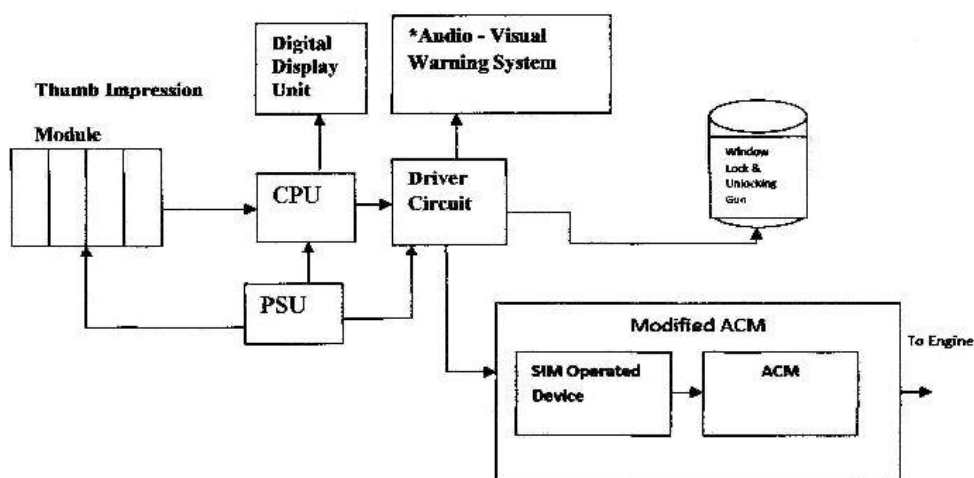


Fig: Block Diagram of Proposed System

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3005/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :20/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PHYTOCONTROL OF ROOT KNOT NEMATODE (MELOIDOGYNE SPP.)

(51) International classification

:H01R

(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)AMITY UNIVERSITY**

Address of Applicant :AMITY UNIVERSITY CAMPUS,  
SECTOR-125, NOIDA-201303, Uttar Pradesh India

(72)Name of Inventor :

**1)SOHINI SINGH**

**2)CHARUL SHARMA**

**3)PRIYA VRAT ARYA**

**4)TANU ALLEN**

**5)DIPTI SINGH**

(57) Abstract :

The present invention relates to a bioactive composition of various plants extracts to control the root knot nematode Meloidogyne Spp. and a method for preparation thereof. The bioactive compositions prepared from the plant extract is effective in rendering nematodes and/or their eggs susceptible to attack by such microflora. The method provides an inexpensive composition which has significant nematocidal activity and are non-toxic to human and can replace environmentally hazardous and toxic synthetic agrichemicals in commercial applications.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3006/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :20/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A NOVEL FUNCTIONAL BEVERAGE FOR USE AS ADJUVANT THERAPY IN MALNUTRITION, OSTEOPOROSIS AND AS IMMUNO-MODULATOR

(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)AMITY UNIVERSITY**

Address of Applicant :AMITY UNIVERSITY CAMPUS,  
SECTOR-125, NOIDA - 201303, Uttar Pradesh India

(72)Name of Inventor :

**1)CHARU GUPTA**

**2)DHAN PRAKASH**

(57) Abstract :

The present invention provides a novel composition and process for the preparation of a nutritional refreshing health drink that can be used as an adjuvant therapy for malnutrition, osteoporosis and as immuno-modulator. The functional beverage essentially comprises soaked and grinded seeds of soybean (*Glycine max*), red gram (*Cicer arietinum*), mung bean (*Vigna radiata*) mixed with the whey protein powder and processed extracts of immature pods of drumstick (*Moringa oleifera*), roots of Ashwagandha (*Withania somnifera*), roots of Satavar (*Asparagus racemosus*) aerial parts of Mandukparni (*Centella asiatica*) and pomace of grape fruits (*Vitis vinifera*). The herbal drink is fortified with vitamin C and/or citric acid. Optionally it can be sweetened with sugar/ jaggery and flavoured with banana, apple, strawberry, mango, guava, chocolate, vanilla or cardamom (*Elatteria cardamomum*). The developed functional food product is thirst quenching, nutritious, has a high satiety value, cost effective, eco-friendly, novel and a suitable way for overcoming malnutrition and can also serve as a suitable side therapy for osteoporosis and as immuno-modulator.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3028/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : POSSIBLE TO SQUARE A CIRCLE WIT (PI-STAR)

(51) International classification	:F21Q	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SHIV DAYAL</b>
(32) Priority Date	:NA	Address of Applicant :C/O RAM AVTAR, 661 CIVIL
(33) Name of priority country	:NA	LINES, BIHARIPUR BARELLY-243001 Uttar Pradesh India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)SHIV DAYAL</b>
(87) International Publication No	: A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		
NA		

No. of Pages : 30 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2434/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :26/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MULTILAYER STACKING ASSEMBLY

(51) International classification

:B41F

(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)HEMANT PALL SINGH GILL**

Address of Applicant :11, TALKATORA ROAD, NEW

DELHI - 110 001 India

(72)Name of Inventor :

**1)HEMANT PALL SINGH GILL**

(57) Abstract :

The present invention relates to a multilayer stacking assembly for vehicles. More particularly, the invention relates to an assembly for stacking of vehicles and its method of installation in an available area. The invention also provides for usage of such an assembly for transportation and storage of vehicles.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3001/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :20/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A NOVEL PHARMACEUTICAL FORMULATION COMPRISING HIGHER DOSE VITAMIN D3 ALONG WITH CALCIUM CARBONATE

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)AKUMS DRUGS &amp; PHARMACEUTICALS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :304, MOHAN PLACE, LSC,
(33) Name of priority country	:NA	BLOCK-C, SARASWATI VIHAR, DELHI-34 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)Mr. SANJEEV JAIN</b>
(87) International Publication No	:N	
(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 related to a pharmaceutical formulation comprising calcium carbonate and higher dose of vitamin D3 for the treatment of bone related disorders.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3017/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : KISAN POWER CULTIVATOR MACHINE

(51) International classification

:F16D

(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)VASIM AHMED**

Address of Applicant :RAM NAGAR, HOLY CHOWK,  
KHATAULI DISTT. MUZAFFARNAGAR, Uttar Pradesh  
India

(72)Name of Inventor :

**1)VASIM AHMED**

(57) Abstract :

An invented machine for agricultural purposes is disclosed. It is remarkable development in the field of farming. This invented machine will revolutionize the method employed for cultivation of sugar cane crop.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3014/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : AUTOCLAVABLE MICROENCAPSULATION SYSTEM WITH MULTI STAGE BREAK UP TWO FLUID NOZZLE FOR CLEAN PRODUCTION OF MICROCAPSULES

(51) International classification	:F16D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN COUNCIL OF AGRICULTURAL</b>
(32) Priority Date	:NA	<b>RESEARCH (ICAR)</b>
(33) Name of priority country	:NA	Address of Applicant :KRISHI BHAWAN, 1, DR.
(86) International Application No	:NA	RAJENDRA PRASAD ROAD, NEW DELHI-110 001 India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)KAIRAM NARSAIAH</b>
(61) Patent of Addition to Application Number	:NA	<b>2)JHA SHYAM NARAYAN</b>
Filing Date	:NA	<b>3)MUSUVADI RAMARATHINAM MANIKANTAN</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to the cost effective production of microcapsules for encapsulation of food ingredients and other core materials. A low cost autoclavable unit with multi stage break up two-fluid nozzle was developed. An autoclavable apparatus (Fig.2) for clean production of microcapsules comprising: i. a container for a solution of pure sodium alginate or chitosan or carageenan or combination of these; ii. pump/other means for delivering a programmable controlled flow of said suspension through two fluid nozzle (Fig.1) as claimed in claim 1; iii. collection of said microdroplets of said flow into an aqueous solution containing divalent cations or polycationic substances with resulting gelification yielding microcapsules with magnetic stirrer to avoid clumping. The apparatus can also be used for emulsification and preparing emulsions of oil/lipid in aqueous solutions. The oil/lipid is pumped through liquid inlet and is broken by air coming out of concentric air outlets of nozzle.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3038/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/10/2011

(43) Publication Date : 26/04/2013

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(54) Title of the invention : A SYSTEM FOR CONTROLLING THE HYDRAULIC HITCH FROM REAR SIDE OF TRACTOR

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(51) International classification

:F21Q

(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)ESCORTS LIMITED**

Address of Applicant :AGRI MACHINERY GROUP, 18/4,  
MATHURA ROAD, FARIDABAD-121 007 Haryana India

(72)Name of Inventor :

**1)LOVEDEEP SINGH**

**2)RITESH KUMAR SINGH**

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(57) Abstract :

This invention relates to a system for controlling the hydraulic hitch from rear side of tractor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3039/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR THE SYNTHESIS OF METHYL 3-EPI-SHIKIMATE AND OSEL TAMIVIR

(51) International classification

:F21Q

(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)COUNCIL OF SCIENTIFIC & INDUSTRIAL**

**RESEARCH**

Address of Applicant :ANUSANDHAN BHAWAN, RAFI  
MARG, NEW DELHI - 110 001, INDIA

(72)Name of Inventor :

**1)VARUN RAWAT**

**2)SOUMEN DEY**

**3)SUDALAI ARUMUGAM**

(57) Abstract :

The present invention relates to a simple, reproducible, non -chiral pool process for total synthesis of Oseltamivir.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1142/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :19/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : BIOMARKERS USEFUL FOR DETECTION OF GRADES OF HUMAN BREAST CANCER

(51) International classification	:A01K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL</b>
(32) Priority Date	:NA	<b>RESEARCH</b>
(33) Name of priority country	:NA	Address of Applicant :AUNSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA.
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:NA	<b>1)DR. LEKHA DINESH KUMAR</b>
(61) Patent of Addition to Application Number	:NA	<b>2)DR. VINOD KUMAR VERMA</b>
Filing Date	:NA	<b>3)DR. REKHA A NAIR</b>
(62) Divisional to Application Number	:NA	<b>4)DR. JEM PRABHAKAR</b>
Filing Date	:NA	<b>5)DR. JAYASREE KATTOOR</b>

(57) Abstract :

The present invention relates to biomarkers useful for detection of grades of human breast cancer. The present invention particularly relates to the development of these identified biomarkers as a miRNA chip for the early and accurate diagnosis of human breast cancer. This patent application highlights the novelty in the utility of these miRNAs, that they could be used as a diagnostic kit (miRNA chip) for early and accurate detection of breast cancer grades, stages and subtypes. More than 300 samples can be checked within a span of 2 to 3 hrs and hence this becomes an easy, fast, robust and high throughput technology.

No. of Pages : 56 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3010/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : LED SECONDARY OPTICS FOR STREET LIGHT APPLICATION

(51) International classification	:F16D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)DE CORE SCIENCE &amp; TECHNOLOGIES LTD.</b>
(32) Priority Date	:NA	Address of Applicant :SDF, J-14, NSEZ, PHASE-II,
(33) Name of priority country	:NA	NOIDA-201305, Uttar Pradesh India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)THODETI SATISH</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 optical sheet with a structured surface profile performing as secondary optics for LED lighting devices. The optical sheet is manufactured with a structured profile, like fresnel lens type, on its surface but leaving a flat portion in the centre of the optical sheet which does not possess the structured profile. An LED emitting a bunch of light rays which falls on the optical sheet, where central light rays pass through the central flat portion experiencing refraction. Since the light rays pass through a flat portion, the angle of incidence will be equal to the final angle of refraction. These light rays illuminate a region (say a street) with a particular shape of illumination depending upon the shape and area of the central flat portion, and optical configuration of the lighting device which includes mounting point and orientation of the device, etc. The rest of the light rays which fail to pass through the central flat portion, fall on the structured profile of the optical sheet, undergo refraction and illuminate those areas of the required region (a street) which are less illuminated. In this way, uniformity in illumination is achieved with a variety of shape and sizes depending upon the shape and area of the central flat portion and type of profile used for optical sheet. The optical sheet may be a prismatic type/ micro structured type optical sheet.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2980/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A FUSE HOLDING ASSEMBLY

(51) International classification	:H05B 41/20	(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)ASHWIN BHANU</b>
Filing Date	:NA	<b>2)NAVEEN AGARWAL</b>
(87) International Publication No	:N/A	<b>3)GANESH R SHETYE</b>
(61) Patent of Addition to Application Number	:NA	<b>4)NEERAJ SINHA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A fuse assembly comprising a pair of fuse holders; a fuse knife; a retention spring for providing contact pressure force to the fuse holders, the fuse holders gripping the fuse knife; an actuation button adapted between the fuse holders, wherein when the fuse knife is pushed towards the actuation button, the actuation button enables the fuse holder to grip and un-grip the fuse knife, the actuation button being mounted on an actuation spring; enabling ease of assembly, reduced insertion force, reduced withdrawal force, resistant to customer abuse, and prevention of silver plating deterioration.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2983/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IN-TANK FUEL HEATER WITH TEMPERATURE CONTROL FOR MELTING SOLID BIODIESEL

(51) International classification	:F02D 19/08	(71)Name of Applicant : <b>1)MAHINDRA &amp; MAHINDRA LIMITED</b> Address of Applicant :R&D CENTER,AUTO SECTOR,89, M.I.D.C,SATPUR,NASHIK-422007 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)DARWIN JOSE</b>
(87) International Publication No	:N/A	<b>2)KISHORE GOURISHANKAR KOTHE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MATHEW ABRAHAM</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a heating system for melting solid biofuel in a fuel tank. The heating system includes a heater unit positioned in close proximity to a fuel suction strainer attached to a fuel suction line of the fuel tank. The heating system further includes a sensor mounting tube configured onto the fuel tank wall to hold the temperature sensor thereon. Furthermore, the heating system includes a temperature control circuit for controlling the power unit supplying electrical power supply to the glow plug. The electrical power supply to the heater unit is controlled by the temperature control circuit based on the input from the temperature sensor.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2985/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : '5-AXIS SERVO-HYDRAULIC STEERING SYSTEM LEVEL TEST APPARATUS'

(51) International classification	:G01M 13/02
(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	:2864/MUM/2009
Filed on	:14/12/2009
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)TATA MOTORS LIMITED**

Address of Applicant :BOMBAY HOUSE,24 HOMI  
MODY STREET,HUTATMA CHOWK, MUMBAI 400 001,  
MAHARASHTRA, INDIA.

(72)**Name of Inventor :**

**1)MR.HARI SRINIWAS BABU AGGARAPU**

**2)MR. ASHFAQUE AHMED ANSARI**

**3)MR. MANOJ S. WALKIKAR**

(57) Abstract :

The embodiments herein provide a testing apparatus of a steering system, in which a full vehicle (10) can be mounted on a test bed (16) with suitable mounting fixtures having loading devices for applying to the steering system, driver's steering torque and a loading device for generation of road surface reaction forces arising out of the vehicle tire interaction with the road and the movement of tires with respect to the suspension system being considered. Addition of Generic controller (38) with data acquisition system (36) and power supply (35) capable of generating various vehicle level signals that are used in operation of Electric power steering system (EPS).Data acquisition system (36) is coupled with existing Servo-hydraulic rig controller with input channels & output channels. The Independent power supply unit (35) is used to simulate the actual vehicle battery conditions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2989/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR DETERMINING BIOREMEDIATION MICRO-ORGANISMS FOR ORGANISMS FOR DEGRADING CRUDE OIL POLLUTANTS IN SEA WATER AND ITS SURROUNDING SOIL HABITAT

(51) International classification	:C02F	(71)Name of Applicant :
	1/28	<b>1)N.A MAHALAKSHMI SRINIVASAN</b>
(31) Priority Document No	:NA	Address of Applicant :R/O PRASHANTH PROJECTS
(32) Priority Date	:NA	LTD., OFFICE 406-408,HERMES ATRIUM, PLOT
(33) Name of priority country	:NA	NO.57,SECTOR 11, CBD BELAPUR, NAVI MUMBAI-
(86) International Application No	:NA	400614 Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	<b>1)N.A MAHALAKSHMI SRINIVASAN</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of degrading crude oil pollutants in sea water and its surrounding soil habitat/ ecology/biome/environment includes the steps of introducing at least one bioremediation micro-organism into sea water/ ocean habitat / biome/ ecology/ environment and its surrounding soil habitat / biome/ ecology/ environment polluted with crude oil, in an amount effective to biodegrade the crude oil pollutants in sea water and its surrounding soil habitat/ecology/biorhe/environment. The inoculum density is standardized based on at least one parameter of a site of bioremediation and bioremediate the site with crude oil pollutants in a time period as standardized based on the site.

No. of Pages : 48 No. of Claims : 21



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2977/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : LATCHING MECHANISM FOR DRAW-OUT CIRCUIT BREAKER

(51) International classification	:H02B 11/127	(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,
(32) Priority Date	:NA	MUMBAI- 400 001,MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)RAJESH S. LONDHE</b>
Filing Date	:NA	
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A latching mechanism for a draw-out type circuit breaker is provided. The latching mechanism comprises a racking cam pivoted on a cradle of the circuit breaker, the racking cam being capable of rotating and engaging with a rail pin on the cradle based upon the operating condition of the circuit breaker; and a latch pivoted on the racking cam, the rotation of the latch being restrained by elastic means, the latch being capable of engaging with the rail pin on the cradle based upon the operating condition of the circuit breaker. The latching mechanism advantageously restricts unwanted movement of breaker in test, connected and disconnected positions, and also during each and every point of racking in and racking out of circuit breaker.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3000/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : E-SWIFT: AUTOMATION FRAMEWORK FOR ENTERPRISE SOLUTIONS.

(51) International classification	:G06F17/30	(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	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)ARNAB CHAKRABORTY</b>
(33) Name of priority country	:NA	<b>2)DEBABRATA KHUNTIA</b>
(86) International Application No	:NA	<b>3)MUKUL KUMAR</b>
Filing Date	:NA	<b>4)NIRANJAN S</b>
(87) International Publication No	:N/A	<b>5)NISHANTH SOUNDARAJAN</b>
(61) Patent of Addition to Application Number	:NA	<b>6)RITU GOYAL</b>
Filing Date	:NA	<b>7)SHIVANGI DUBEY</b>
(62) Divisional to Application Number	:NA	<b>8)SHRIYA SAMANT</b>
Filing Date	:NA	<b>9)SANTU DEY</b>
		<b>10)PRASHANT SHARMA</b>
		<b>11)SOURABH CHONGDAR</b>
		<b>12)K. RAMESH KUMAR</b>

(57) Abstract :

A system for testing a computer program product characterised by a framework configured to capture an attribute of a plurality of objects embedded on a user interface display of the computer program product being tested. The system for testing the computer program product, wherein the attribute is mapped with each object from the plurality of objects and is stored in a repository contained in an object definition module. The system for testing the computer program product, wherein the object definition module is communicably connected to the framework.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3001/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM TO SUPPLY COMPRESSED AIR TO VACUUM BOOSTER USING TURBOCHARGER OUTPUT PRESSURE

(51) International classification	:F02B3/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	:N/A
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
**1)TATA CONSULTANCY SERVICES LIMITED**  
Address of Applicant :NIRMAL BUILDING,9th FLOOR,  
NARIMAN POINT,MUMBAI 400021, MAHARASHTRA,  
INDIA.  
(72)**Name of Inventor :**  
**1)MADETI, VENKATA APPALARAJU**

(57) Abstract :

The invention provides a system for supplying of a compressed air to a brake booster, routed by a distributor valve, comprising a turbocharger generating the compressed air, a reservoir tank connected to the distributor valve for storing the compressed air, a first non-return valve mounted thereon and a controller unit, controlling the distributor valve for regulating a flow of the compressed air to an engine and the reservoir tank, wherein the controller unit determines and detects a non-requirement of supply of the compressed air to an engine. During each detected non-requirement period of supply of the compressed air to the engine, the controller opens the distributor valve to supply the compressed air to the reservoir tank through a second non-return valve.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3005/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : LATCHING MECHANISM FOR DRAW-OUT CIRCUIT BREAKER

(51) International classification :H01H71/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No :N/A  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)LARSEN & TOUBRO LIMITED**  
Address of Applicant :L&T HOUSE, BALLARD ESTATE,  
MUMBAI- 400 001,MAHARASHTRA, INDIA.  
(72)**Name of Inventor :**  
**1)RAJESH S. LONDHE**

(57) Abstract :

A latching mechanism for a draw-out type circuit breaker is provided. The latching mechanism comprising a racking cam pivoted on a cradle of the circuit breaker, the racking cam being capable of rotating and engaging with a rail pin on the cradle based upon the operating condition of the circuit breaker; and a latch pivoted on the racking cam, the latch being capable of rotating and engaging with the rail pin on the cradle based upon the operating condition of the circuit breaker, wherein the latch is pivoted on the racking cam off-centre-of-gravity of the latch, such pivoting restrains rotation the rotation of the latch and enables engagement of the latch with the rail pin. The latching mechanism advantageously restricts unwanted movement of breaker in test, connected and disconnected positions, and also during each and every point of racking in and racking out of circuit breaker.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2966/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ORAL CONCENTRATED NANOEMULSION BASED FORMULATION OF TETRAHYDROLIPSTATIN

(51) International classification	:A61K9/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)VAVIA PRADEEP RATILAL</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF
(33) Name of priority country	:NA	PHARMACEUTICAL SCIENCES AND TECHNOLOGY,
(86) International Application No	:NA	INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED
Filing Date	:NA	UNIVERSITY), NATHALAL PARIKH MARG, MATUNGA
(87) International Publication No	:N/A	(EAST), MUMBAI-400 019, Maharashtra India
(61) Patent of Addition to Application Number	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)VAVIA PRADEEP RATILAL</b>
(62) Divisional to Application Number	:NA	<b>2)SANGWAI MAYUR BALKRUSHNA</b>
Filing Date	:NA	

(57) Abstract :

30% w/v) formulation of lipase inhibitor, tetrahydrolipstatin (orlistat) for oral delivery. The invention also discloses method for preparing the same under controlled temperature conditions (< 200 nm. The present invention discloses the novel oral concentrated nanoemulsion (up to

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2996/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SOLAR DISH

(51) International classification	:F24J2/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)THERMAX LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :D-13, MIDC INDUSTRIAL AREA,
(33) Name of priority country	:NA	R.D. AGA ROAD, CHINCHWAD,PUNE-411 019,
(86) International Application No	:NA	MAHARASHTRA, INDIA.
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	:N/A	<b>1)AGRAWAL,ANKIT</b>
(61) Patent of Addition to Application Number	:NA	<b>2)DUBAL, VILASRAO</b>
Filing Date	:NA	<b>3)PATHAK, ANAGHA</b>
(62) Divisional to Application Number	:NA	<b>4)PAWAR, ATISH</b>
Filing Date	:NA	

(57) Abstract :

A solar dish including a parabolic dish, a solar dish frame structure and a wheeled ground support structure is disclosed. The parabolic dish is formed by assembly of a plurality of petals. The solar dish frame structure includes an operative top ring assembly, an operative bottom ring assembly and a plurality of arcuate connecting elements. The operative top ring assembly includes a plurality of arcuate top ring elements attachable to each other to form the operative top ring assembly. The operative bottom ring assembly has a diameter less than the diameter of the assembled operative top ring assembly. The plurality of arcuate connecting elements is connected between the assembled operative top ring assembly and the operative bottom ring assembly. The wheeled ground support structure supports the solar dish frame structure on ground.

No. of Pages : 42 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2999/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR REAL-TIME ANALYSIS OF IMAGES USING A CLOUD-COMPUTING SERVER.

(51) International classification	:H04L12/26	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)TATA CONSULTANCY SERVICES LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :NIRMAL BUILDING,9th FLOOR,
(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	<b>1) CHAKRAVARTY, KINGSHUK</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SINHA,PRIYANKA</b>
Filing Date	:NA	<b>3)GHOSE, AVIK</b>
(62) Divisional to Application Number	:NA	<b>4)DEY, SOUNAK</b>
Filing Date	:NA	

(57) Abstract :

A system and method for real-time analysis of images captured by a camera is described herein. According to the present invention, the system comprises a cloud-computing server that receives the images captured by the camera. In an aspect of the present invention, the images are tagged with metadata information in the form of bio-metric information or other authentication information for identifying the authorized parties associated with the images. The images are analyzed using multiple image-analytics algorithm stored on the cloud-computing server. Post image-analytics, the results of the image-analytics are then transmitted to the authorized parties identified through the authentication information embedded in the images in the form of metadata. After receipt of the image-analytics results, the authorized parties can take further decisions on the images captured.

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3021/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :25/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR MACHINING OF METAL MATRIX COMPOSITES BY HIGH SPEED STEEL CUTTING TOOL

(51) International classification	:B23C5/06	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)DIRECTOR GENERAL, DEFENCE RESEARCH &amp; DEVELOPMENT ORGANIZATION</b>
(32) Priority Date	:NA	Address of Applicant :MINISTRY OF
(33) Name of priority country	:NA	DEFENCE,GOVERNMENT OF INDIA,ROOM NO.348,B-WING,DRDO BHAVAN, RAJAJI MARG,DHQ,P.O.NEW
(86) International Application No	:NA	DELHI-110011 Maharashtra India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:N/A	<b>1)SINGH, SHASHI BHUSHAN</b>
(61) Patent of Addition to Application Number	:NA	<b>2)PRODHAN ANJAN</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for machining a metal matrix composite (MMC) work-piece is disclosed. The apparatus includes work-piece holding means, a tool holder and a heating means. The work-piece holding means holds the metal matrix composite work piece and includes a headstock and a tailstock for holding the work-piece there-between. The tool holder holds a machining tool and moves between the headstock and the tailstock for carrying out machining of said metal matrix composite work piece held there-between. The heating means moves along with the tool holder between the head stock and the tailstock and heats the work piece to a pre-determined temperature before carrying out the machining operation.

No. of Pages : 43 No. of Claims : 21



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2942/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :19/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ROAD WHEEL FOR A VEHICLE

<p>(51) International classification :B60B3/00 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No :N/A (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)<b>Name of Applicant :</b> <b>1)DIRECTOR GENERAL, DEFENCE RESEARCH &amp; DEVELOPMENT ORGANIZATION (DRDO)</b> Address of Applicant :MINISTRY OF DEFENSE, GOVERNMENT OF INDIA, ROOM NO.348, B-WING. DRDO BHAWAN, RAJAJI MARG, NEW DELHI-110011 Maharashtra India (72)<b>Name of Inventor :</b> <b>1)SINGH, SHASHI BHUSHAN</b> <b>2)CHAKRAVARTY, VEDULA</b> <b>3)VERMA,PANKAJ</b></p>
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(57) Abstract :

A road wheel for a vehicle is disclosed. The road wheel includes a wheel disc and a solid rubber rim secured along the periphery of the wheel disc. The wheel disc includes a central hole and a plurality of mounting apertures configured around the central hole for facilitating mounting of the road wheel on a drive shaft of the vehicle. The wheel disc is configured from carbon-fibre Pre-pregs configured by impregnating carbon fibers in a resin structure. Further, a process for manufacturing a road wheel is disclosed, wherein the process includes preparing Pre-pregs by mixing carbon fibers and epoxy resin, packing a die cavity with layers of carbon fiber Pre-pregs overlapping each other, curing the Pre-pregs by application of heat and finally pressing of the die for facilitating compacting of the layers of carbon fiber Pre-pregs and facilitating in formation of a single-piece wheel disc.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3007/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DISPLAY CONTROLLER AND METHOD FOR CONTROLLING TRANSMISSION OF DATA BITS OF IMAGE OR VIDEO SIGNAL

(51) International classification	:H04N 21/00	(71) <b>Name of Applicant :</b> <b>1)MEDIA TEK INC</b> Address of Applicant :NO.1,DUSING RD.1st.,SCIENCE- BASED INDUSTRIAL PARK, HSIN-CHU 300,TAIWAN,
(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)CHEN-LONG HUANG</b>
Filing Date	:NA	<b>2)CHAO-HSIUNG SU</b>
(87) International Publication No	:N/A	<b>3)TAI-HSIN LIU</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A display controller having a data reordering unit, a shift register module and a multi-channel interface controller is provided. The data reordering unit reorders the data bits received from a data source so as to substantially evenly distribute the data bits into multiple groups. The shift register module includes multiple shift registers each receiving a group of data bits from the data reordering unit and outputs the group of data bits to one of multiple data lines which are coupled to a display module according to a clock signal. The multi-channel interface controller controls operations of the data reordering unit and the shift register module.

No. of Pages : 37 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3008/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF ASENAPINE

(51) International classification	:C07D313/14	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Alembic Pharmaceuticals Limited</b>
(32) Priority Date	:NA	Address of Applicant :Alembic Research Centre Alembic
(33) Name of priority country	:NA	Pharmaceuticals Limited Alembic Road Vadodara-390003
(86) International Application No	:NA	Gujarat India.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)RAMAN Jayaraman Venkat</b>
(61) Patent of Addition to Application Number	:NA	<b>2)PATEL Samir</b>
Filing Date	:NA	<b>3)MISTRY Samir</b>
(62) Divisional to Application Number	:NA	<b>4)PARMAR Bhupendra</b>
Filing Date	:NA	<b>5)RAY Vishal</b>

(57) Abstract :

The present invention relates to a novel process for the preparation of trans-5-chloro-2-methyl-2,3,3a,12b-tetrahydro-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole (Asenapine) of formula (I). It also relates to novel intermediates i.e. 2-[(E)-2-(2-bromophenyl)ethenyl]-4-nitrophenyl acetate of formula (V) 2-[(3S,4S)-4-(2-bromophenyl)-1-methylpyrrolidin-3-yl]-4-nitrophenyl acetate of formula (VI) 2-[(3S,4S)-4-(2-bromophenyl)-1-methylpyrrolidin-3-yl]-4-nitrophenol of formula (VII) 5-nitro-2-methyl-2,3,3a,12b-tetrahydro-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole of formula (VIII) and 5-amino-2-methyl-2,3,3a,12b-tetrahydro-1H-dibenz[2,3:6,7]oxepino[4,5-c]pyrrole of formula (IX) are useful for the preparation of Asenapine salts of formula (I).

No. of Pages : 26 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3013/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :25/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR ROBUST PRIVACY PRESERVING DATA AGGREGATION

(51) International classification	:H04L 12/00	(71) <b>Name of Applicant :</b> <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	<b>2)INDIAN STATISTICAL INSTITUTE</b>
(32) Priority Date	:NA	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:NA	<b>1)SEN, JAYDIP</b>
(86) International Application No	:NA	<b>2)MAITRA,SUBHAMOY</b>
Filing Date	:NA	<b>3)UKIL, ARIJIT</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 :

According to one aspect, a robust privacy preserving data aggregation system by using a clustering protocol scheme and a method is presented that is capable of preventing a malicious node from accessing private data of the neighboring sensor nodes. The present system identifies and prevents other nodes to launch attack by manipulating the seed values.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1133/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :15/05/2009

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD OF SELECTIVE REPLICATION IN A STORAGE AREA NETWORK

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)HEWLETT-PACKARD DEVELOPMENT COMPANY</b>
(32) Priority Date	:NA	<b>L.P.</b>
(33) Name of priority country	:NA	Address of Applicant :11445 COMPAQ CENTER DRIVE
(86) International Application No	:NA	WEST HOUSTON TX 77070 U.S.A.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)ABHIK DAS</b>
(61) Patent of Addition to Application Number	:NA	<b>2)RAJESH ANANTHA KRISHNAIYER</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method includes identifying with a server a first range of data blocks in a storage device array corresponding to data files selected for replication, the first range of data blocks being managed by a source host device; mapping the first range of data blocks to a second range of data blocks in the storage device array managed by the destination host device; copying the data blocks from the first range that contain the data files selected for replication to the corresponding data blocks in the second range; deleting tiles in the copied data blocks of the second range that have not been selected for replication; and condensing the second range of data blocks.

No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1204/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :25/05/2009

(43) Publication Date : 26/04/2013

(54) Title of the invention : DATA REPLICATION

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)HEWLETT-PACKARD DEVELOPMENT COMPANY</b>
(32) Priority Date	:NA	<b>.L.P</b>
(33) Name of priority country	:NA	Address of Applicant :11445 COMPAQ CENTER DRIVE
(86) International Application No	:NA	WEST HOUSTON, TX 77070 U.S.A.
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)NILESH ANANT SALVI</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ALOK SRIVASTAVA</b>
Filing Date	:NA	<b>3)ERANNA TALUR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract A method, system and computer program product for managing data replication for data groups stored in a first storage device. A polling interval, a maximum bandwidth and a bandwidth tolerance available for data replication is defined. A priority and a status for each data group is defined. The data replication is started in the polling interval, for the data group with highest priority in the pending status to a second storage device connected to the first storage. The rate of data transfer during a polling period is determined by dividing the total data transferred during the polling interval by time period of the polling interval; and bandwidth utilization is determined for data replication by comparing rate of data transfer with maximum bandwidth. If the bandwidth utilization is less than the maximum bandwidth available then another data group is selected for replication. If the data bandwidth utilization is more than the maximum bandwidth available then selected data groups replicating are paused.

No. of Pages : 29 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1205/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :25/05/2009

(43) Publication Date : 26/04/2013

(54) Title of the invention : MANAGING DATA STORAGE SYSTEMS

(51) International classification	:G06F	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)HEWLETT-PACKARD DEVELOPMENT</b>
(32) Priority Date	:NA	<b>COMPANY,L.P</b>
(33) Name of priority country	:NA	Address of Applicant :11445 COMPAQ CENTER DRIVE
(86) International Application No	:NA	WEST HOUSTON TX 77070 U.S.A.
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)SRIDHAR BALACHANDRIAH</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SATISH KUMAR MOPUR</b>
Filing Date	:NA	<b>3)DUVVURI RAMA KIRON</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method, system and computer program product for managing data storage systems. The data storage system being coupled to a volume storage pool as data storage resource, the data storage system presenting at least one virtual volume as a storage resource to a host device, the method for managing the data storage system comprising collecting the volume storage pool occupancy and the virtual volume consumption; trending the volume storage pool and the virtual volumes consumption; forecasting the volume storage pool occupancy and virtual volume consumption; and recommending atleast one action based on the forecasted values of storage pool occupancy data and virtual volume consumption data. The method may further comprise detecting a rapid increase or surge in the volume storage pool occupancy data.

No. of Pages : 28 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1366/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : ACKNOWLEDGEMENT OF UPLINK TRANSMISSION OF CONTENTION BASED RESOURCE IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04W74/08  
(31) Priority Document No :12/545,463  
(32) Priority Date :21/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/042826  
Filing Date :22/07/2010  
(87) International Publication No :WO 2011/022160 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 :600 NORTH US HIGHWAY 45,  
LIBERTYVILLE, IL 60048 U.S.A.  
(72)**Name of Inventor :**  
**1)NARASIMHA, MURALI**  
**2)KUCHIBHOTLA, RAVI**

(57) Abstract :

A remote unit configured to transmit a message on a contention based uplink resource granted by a base unit wherein the message includes information associated with the remote unit. The remote unit also configured to determine a downlink resource on which the remote unit may receive a response to the message sent on the uplink resource by applying an offset to a predetermined downlink resource wherein the offset is based on the information associated with the wireless communication device.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1470/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : NODE FOR A RADIO ACCESS NETWORK

(51) International classification :H04W88/08  
(31) Priority Document No :09305881.6  
(32) Priority Date :21/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/061845  
Filing Date :13/08/2010  
(87) International Publication No :WO 2011/032790  
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**

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(72)**Name of Inventor :**

**1)GIORGIO BARZAGHI**

**2)FRED DAVANT**

**3)GIACOMO MIRELLI**

(57) Abstract :

It is disclosed a node of a radio access network. The node comprises an access device having a transceiver suitable for exchanging upstream and downstream traffic with a plurality of terminals located in a coverage area thereof, a digital unit suitable for performing base-band processing of the upstream and downstream traffic, and a traffic link connecting the transceiver and the digital unit. The node further comprises a backhauling apparatus having an outdoor unit suitable for exchanging the upstream and downstream traffic with a further node of the radio access network by means of a point-to-point microwave connection. The transceiver is connected to the outdoor unit by means of a backhauling link. The digital unit of the access device and the outdoor unit of the backhauling apparatus are configured to exchange the upstream and downstream traffic through the traffic link, the transceiver and the backhauling link.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1638/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : WIRELESS COMMUNICATION SYSTEM AND HANDOVER METHOD

(51) International classification :H04W36/00  
(31) Priority Document No :2009-195710  
(32) Priority Date :26/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/063756  
Filing Date :13/08/2010  
(87) International Publication No :WO 2011/024655  
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)SAWADA, SHINICHI**  
**2)KOBAYASHI, HIROKAZU**  
**3)SUZUKI, SHIGETO**  
**4)SUZUKI, KOHKI**  
**5)YOSHIHARA, AKIO**

(57) Abstract :

A wireless communication system includes: a macrocell base station device; a micro base station device serving a cell having a region including at least a part of a region of a cell served by the macrocell base station device; and a mobile station device. One of the macrocell base station device and the micro base station device includes a reporter configured to report, to the mobile station device, micro base station information indicating the micro base station device to which the mobile station device can perform a handover. The mobile station device includes a handover destination selector configured to select a handover destination based on the micro base station information reported. Thereby, a handover is prevented while preventing the processing load on the mobile station device.

No. of Pages : 72 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1649/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : DIGITAL BROADCAST RECEIVER HAVING A RECORDING FUNCTION

(51) International classification :H04N5/765  
(31) Priority Document No :2009-174466  
(32) Priority Date :27/07/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/060774  
Filing Date :24/06/2010  
(87) International Publication No :WO 2011/013468  
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)SAITOH, HIROAKI**  
**2)KAWAGUCHI, YUKIMI**  
**3)MURASHIMA, NOBUYUKI**  
**4)ATSUMI, TADAMICHI**  
**5)HIROTA, TORU**

(57) Abstract :

Provided is a digital broadcast receiver having a recording function, which is capable of automatically selecting a recording destination of reserved recording. The digital broadcast receiver having a recording function includes a connection means 5 for connecting to another apparatus having a recording function, an interface means 11 for receiving, in reserved recording, a setting of performing reserved recording preferentially by the recording function of the receiver, and a control means 21 for performing such a control that, in a case where the setting of performing reserved recording preferentially by the recording function of the receiver has been made in the interface means, the control means determines, in reserved recording, whether or not the recording function of the receiver is available for the recording, when the recording function of the receiver is available for the recording, the control means performs the recording by the recording function of the receiver, and when the recording function of the receiver is not available for the recording, the control means causes the other apparatus connected to the connection means to perform the reserved recording.

No. of Pages : 23 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1684/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : SCHEDULING FOR MULTI-USER MIMO IN A WIRELESS COMMUNICATION NETWORK

(51) International classification :H04W72/04  
(31) Priority Document No :61/234,878  
(32) Priority Date :18/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/045779  
Filing Date :17/08/2010  
(87) International Publication No :WO 2011/022415 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)STEFAN GEIRHOFER**

**2)AMIR FARAJIDANA**

**3)TINGFANG JI**

**4)ALEXEI YURIEVITCH GOROKHOV**

**5)ANASTASIOS STAMOULIS**

(57) Abstract :

Techniques for scheduling UEs are described. In one design, a scheduler (e.g., for a cell) may receive channel direction information (CDI) and channel strength information (CSI) from a plurality of UEs. In one design, the CDI from each UE may include at least one eigenvector, and the CSI from each UE may include at least one singular value corresponding to the at least one eigenvector. The scheduler may schedule at least one UE among the plurality of UEs for data transmission based on the CDI and CSI from the plurality of UEs. The scheduler may select the at least one UE based on a metric related to signal-to-leakage ratio (SLR), or spectral efficiency, etc. In one design, the scheduler may evaluate the performance of different sets of UEs to determine whether to schedule one UE for single-user MIMO or multiple UEs for multiuser MIMO.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1686/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : LIGHT IRRADIATION APPARATUS, PSEUDO-SUNLIGHT IRRADIATION APPARATUS AND SOLAR PANEL INSPECTION APPARATUS

(51) International classification	:F21S2/00	(71)Name of Applicant :
(31) Priority Document No	:2010-229123	<b>1)SHARP KABUSHIKI KAISHA</b>
(32) Priority Date	:08/10/2010	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/JP2011/004806	(72)Name of Inventor :
Filing Date	:29/08/2011	<b>1)NAKAMURA, ATSUSHI</b>
(87) International Publication No	:WO/2012/046378	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Precise, uniform illuminance is obtained for an irradiation surface without adjustment time of illuminance of the irradiation surface being time-intensive, even for an expansive area. At least one light source (xenon light source 2 or halogen light source 7, or the like) and an optical filter (air mass filter 5, 10, or the like) functioning as an optical element are matched with a respective light guiding member 14 or 14A. Since an irradiation region of the light guiding member 14 or 14A for surface irradiation is directly-matched with a respective part of the irradiation surface (small irradiation surface) of an irradiation subject, illuminance on part of the irradiation surface (small irradiation surface) of the irradiation subject can be adjusted with precision by changing the amount of light entering the inside of the light guiding member 14 or 14A for surface irradiation.

No. of Pages : 74 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1692/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : LIGHT IRRADIATION APPARATUS, PSEUDO-SUNLIGHT IRRADIATION APPARATUS AND SOLAR PANEL INSPECTION APPARATUS

(51) International classification	:F21S2/00	(71)Name of Applicant :
(31) Priority Document No	:2010-229122	<b>1)SHARP KABUSHIKI KAISHA</b>
(32) Priority Date	:08/10/2010	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/JP2011/004800	(72)Name of Inventor :
Filing Date	:29/08/2011	<b>1)MINAMI, KOHJI</b>
(87) International Publication No	:WO/2012/046376	<b>2)TADANO, HIROYUKI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The degradation of directivity performance due to stray light with poor directivity entering and propagating through tapered light guiding members can be prevented, and thus the decrease in the degree of spectrum correspondence with sunlight can be prevented. A light shielding member 41 is placed in between adjacent tapered light guiding members 4. Specifically, the light shielding member 41 is attached to or coiled around the surface of a circumference wall of the tapered light guiding member 4, other than one end surface and the other end surface for allowing light to enter and exit. Further, the light shielding member 41 is placed so that stray light will not enter the tapered light guiding member 4 from the circumferential wall thereof, other than the one end surface and the other end surface.

No. of Pages : 67 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1693/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : CALLER-INFORMATION DISPLAYING METHOD, CELLULAR PHONE, AND NON-TRANSITORY COMPUTER READABLE MEDIUM STORING PROGRAM

(51) International classification	:H04M1/57
(31) Priority Document No	:2009-194380
(32) Priority Date	:25/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/004303
Filing Date	:30/06/2010
(87) International Publication No	:WO 2011/024365
	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**

Address of Applicant :7-1, SHIBA 5-CHOME, MINATO-KU, TOKYO 108-8001 Japan

(72)Name of Inventor :

**1)OKUDA, SHINYA**

(57) Abstract :

Provided is a caller information displaying method capable of displaying caller information with latest data registered in a cellular phone on a Bluetooth device at an earlier timing. The caller information displaying method according to an exemplary aspect of the present invention is a caller information displaying method for displaying caller information on a Bluetooth device 20 capable of establishing a Bluetooth communication with a cellular phone 10, the method including: updating, by the cellular phone 10, incoming call history data 12 upon receiving an incoming call, and transmitting, to the Bluetooth device 20, caller information corresponding to a latest incoming call history in the updated incoming call history data 12; and receiving, by the Bluetooth device 20, the caller information transmitted from the cellular phone 10, and displaying the received caller information.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1695/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : BREATHABLE PROTECTIVE FABRIC AND GARMENT

(51) International classification :B32B27/12  
(31) Priority Document No :61/229,472  
(32) Priority Date :29/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/043786  
Filing Date :29/07/2010  
(87) International Publication No :WO 2011/014702 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)INTERNATIONAL ENVIROGUARD SYSTEMS, INC.**  
Address of Applicant :SUITE 400, 2400 SKYLINE DRIVE,  
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(72)**Name of Inventor :**  
**1)LYONS, BRIAN, W.**

(57) Abstract :

A breathable composite barrier fabric for protective garments includes a high strength nonwoven web, a barrier layer and an aperture film layer, with the barrier layer between the high strength nonwoven web and the film layer. The different layers and webs may be bonded together to form the fabric using calendaring, thermal bonding and/or adhesives. The breathable composite barrier fabric is capable of blocking particles as small as 0.3 microns at greater than 99% efficiency while allowing air transmissions between 7 CFM and 9 CFM at 20 Pa. Protective garments may be constructed using the breathable composite barrier fabrics so that the high strength nonwoven web is on the body side of the garment and the film layer is on the exterior of the garment.

No. of Pages : 17 No. of Claims : 16



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1696/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : APPARATUS AND METHOD FOR TRANSCIEIVING SIGNALS USING FRAME STRUCTURE IN WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L27/26  
(31) Priority Document No :61/237,304  
(32) Priority Date :27/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/KR2010/005791  
Filing Date :27/08/2010  
(87) International Publication No :WO 2011/025303 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)LIM, DONG GUK**  
**2)CHO, HAN GYU**  
**3)MOON, SUNG HO**  
**4)KWAK, JIN SAM**

(57) Abstract :

A method and apparatus for transceiving signals using a predetermined frame structure in a wireless communication system is provided. The apparatus includes a Radio Frequency (RF) unit for transceiving a signal through a frame according to the predetermined frame structure. The frame includes 5 subframes, the 5subftame comprise type-1 subframes including 6 Orthogonal Frequency Division Multiplex Access (OFDMA) symbols and type-2 sub-frames including 7 OFDMA symbols, and a Cyclic Prefix (CP) length of the frame corresponds to 1/8 of an effective symbol length.

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1709/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : VOLUME ADJUSTMENT BASED ON LISTENER POSITION

(51) International classification	:H04R3/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/563,484	<b>1)MICROSOFT CORPORATION</b>
(32) Priority Date	:21/09/2009	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/US2010/046879	(72) <b>Name of Inventor :</b>
Filing Date	:27/08/2010	<b>1)ANGELOFF, DREW</b>
(87) International Publication No	:WO 2011/034706 A3	<b>2)CLAVIN, JOHN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)WALKER, ROBERT</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Volume adjustment based on listener position is disclosed. A position of one or more speakers is identified, and a position of a listener is tracked. For each of the one or more speakers, a changing distance between that speaker and the listener is assessed. A volume of that speaker is automatically adjusted in real-time based on a current distance between that speaker and the listener.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1769/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : SPHERICAL ANNULAR SEAL MEMBER AND METHOD OF MANUFACTURING THE SAME

(51) International classification	:F16J15/12	(71)Name of Applicant :
(31) Priority Document No	:2010-217980	<b>1)OILES CORPORATION</b>
(32) Priority Date	:28/09/2010	Address of Applicant :6-34, KOUNAN 1-CHOME,
(33) Name of priority country	:Japan	MINATO-KU, TOKYO 1080075 Japan
(86) International Application No	:PCT/JP2011/003916	(72)Name of Inventor :
Filing Date	:07/07/2011	<b>1)KODA, YASUHIKO</b>
(87) International Publication No	:WO/2012/042712	<b>2)TAKAHASHI, MASANORI</b>
(61) Patent of Addition to Application	:NA	<b>3)KAIDA, HIDEIOSHI</b>
Number	:NA	<b>4)KUROSE, KOUHEI</b>
Filing Date	:NA	<b>5)OKI, EIJI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A spherical annular seal member 39 includes a spherical annular base member 37 defined by annular end faces 35 and 36, and an outer layer 38 formed integrally on the spherical annular base member 37. The spherical annular base member 37 includes a reinforcing member 5 made from a metal wire net and a heat-resistant material 6 containing compressed expanded graphite. The outer layer 38 is comprised of a base layer 46 which includes a reinforcing member 15 made from a metal wire net and compressed and a heat-resistant material 14 containing expanded graphite, compressed in such a manner as to fill meshes of the metal wire net of the reinforcing member 15, and having a surface 52 which forms an outer-layer intermediate layer surface 42 together with the surface 41 of the reinforcing member 15, and of a heated sliding layer 40 of a molten fluororesin composition formed on the base layer 46 at the outer-layer intermediate layer surface 42. The surface 44 of the outer layer 38 exposed to the outside is constituted by a smooth surface 45 of the heated sliding layer 40.

No. of Pages : 90 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1773/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMAGE CODING METHOD, IMAGE DECODING METHOD, IMAGE CODING APPARATUS, AND IMAGE DECODING APPARATUS

(51) International classification	:H04N7/26
(31) Priority Document No	:61/371,827
(32) Priority Date	:09/08/2010
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/JP2011/004381
Filing Date	:03/08/2011
(87) International Publication No	:WO/2012/020555
(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)NISHI, TAKAHIRO**

**2)TOMA, TADAMASA**

**3)SASAKI, TAIJI**

(57) Abstract :

An image coding method for properly handling a 3D video format including a base layer and an enhancement layer includes a video layer and a system layer. The video layer includes a step (S1801) of coding an image to generate a coded stream. The system layer includes a step (S1802) of multiplexing the coded stream and an identifier to generate a system stream, the identifier indicating whether or not the image has a left-right mixed format that includes a base layer and an enhancement layer and that has a left view image area and a right view image area in each picture. In the coding step (S1801), the image that includes the base layer and the enhancement layer and that has the left view image area and the right view image area in each picture is coded to generate the coded stream, when the image has the left-right mixed format.

No. of Pages : 130 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1781/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : IEEE802.11AC PREAMBLES SUPPORTING LEGACY DEVICES

(51) International classification :H04L27/26  
(31) Priority Document No :61/236,815  
(32) Priority Date :25/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/046497  
Filing Date :24/08/2010  
(87) International Publication No :WO 2011/031454 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)VINCENT KNOWLES JONES, IV**

**2)DIDIER JOHANNES RICHARD VAN NEE**

**3)HEMANTH SAMPATH**

(57) Abstract :

Certain aspects of the present disclosure present frame structures to support a plurality of standards, such as the IEEE 802.11 ac in addition to the IEEE 802.11a/b/n/g. Preamble of the frame structure can be used by a receiver to detect transmission mode of the packet.

No. of Pages : 42 No. of Claims : 103

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1711/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :24/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : USER-SELECTABLE ENVIRONMENTS FOR MOBILE COMMUNICATIONS DEVICES

(51) International classification :H04W88/02  
(31) Priority Document No :12/564,450  
(32) Priority Date :22/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047058  
Filing Date :28/08/2010  
(87) International Publication No :WO 2011/037722 A3  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)MICROSOFT CORPORATION**  
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**1)FLYNN, DONNA K.**  
**2)LOVEJOY, TRACEY N.**  
**3)MEDLOCK, MICHAEL C.**

(57) Abstract :

At a mobile communications device, a communication is received from a communication source. An indication of an environment type associated with the communication source is obtained, and a check is made as to whether the indication of the environment type associated with the communication source matches a current environment type of the mobile communications device. An initial notification (and optionally a leave-behind notification) of the communication is presented only if the indication of the environment type associated with the communication source matches the current environment type of the mobile communications device.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1819/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : RADIO BASE STATION, MOBILE STATION, AND MEASUREMENT METHOD

(51) International classification :H04W72/04  
(31) Priority Document No :2009-197469  
(32) Priority Date :27/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/064560  
Filing Date :27/08/2010  
(87) International Publication No :WO 2011/024937  
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.**  
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CHIYODA-KU, TOKYO 100-6150 Japan  
(72)**Name of Inventor :**  
**1)ISHII, MINAMI**  
**2)ABETA, SADAYUKI**

(57) Abstract :

A radio base station eNB according to the present invention includes: an upper-layer information transmission unit 11 configured to transmit a length of CP used in neighbouring cells #1 to #3; and a PRS transmission unit 12 configured to transmit, when the subordinate cell #2 is included in the neighbouring cells #1 to #3, the PRS generated based on the length of CP, in the subordinate cell #2.

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1823/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : SIGNAL PROCESSING APPARATUS, TRANSMITTER, RECEIVER AND METHOD

(51) International classification :H04B  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2011/071047  
Filing Date :17/02/2011  
(87) International Publication No :WO/2012/109791  
(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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SHENZHEN GUANGDONG 518129, P.R China  
(72)**Name of Inventor :**  
**1)NEBOJSA STOJANOVIC**

(57) Abstract :

A signal processing apparatus (100, 300, 400) for correction of a distortion introduced by a signal processing path into a processed signal is provided. The signal processing apparatus (100, 300, 400) comprises a transformer (110, 430a, 430b) for transforming the processed signal into a transformed signal in frequency domain, a processor (150, 350, 420) for determining a first correction function (C1) and a second correction function (C2) upon the basis of a transfer function of the signal processing path, a first multiplier (120, 433a, 433b) for multiplying values of the transformed signal with coefficients of the first correction function (C1) to obtain a first corrected signal, a signal reverser (130, 140, 437a, 437b, 439a, 439b) for reversing an order of values in a copy of the transformed signal to obtain a reversed transformed signal, a second multiplier (125, 435a, 435b) for multiplying values of the reversed transformed signal with coefficients of the second correction function (C2) to obtain a second corrected signal, and an adder (160, 440a, 440b) for adding the first corrected signal and the second corrected signal to obtain a corrected output signal.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1825/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMBINING DECISION METRICS FOR DECODING BASED ON PAYLOAD DIFFERENCE

(51) International classification :H04L1/00  
(31) Priority Document No :61/242,307  
(32) Priority Date :14/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/048673  
Filing Date :13/09/2010  
(87) International Publication No :WO 2011/032107 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)LIU KE**  
**2)SEONG KIBEOM**  
**3)LUO TAO**  
**4)WEI YONGBIN**

(57) Abstract :

Decision metrics used to decode wireless communication payloads are combined for successive frames to improve decoding of the later received frames. A bitwise payload difference between successive frames is encoded in the same manner the payloads are encoded. Decision metrics determined for the earlier received frame are combined with the encoded payload difference to generate adjusted decision metrics. The adjusted decision metrics are combined with decision metrics determined for the later received frame. The combined decision metrics are decoded to generate a payload for the later received frame. If the decoding is not successful the combined decision metrics are carried forward and the process is repeated based on the payload difference between the following frames.

No. of Pages : 41 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1832/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD OF TRANSMITTING AND RECEIVING CONTROL INFORMATION IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04L27/26	(71)Name of Applicant :
(31) Priority Document No	:61/236,546	<b>1)LG ELECTRONIC INC.</b>
(32) Priority Date	:25/08/2009	Address of Applicant :20 YEOUIDO-DONG,
(33) Name of priority country	:U.S.A.	YEONGDEUNGPO-GU, SEOUL 150-721 Republic of Korea
(86) International Application No	:PCT/KR2010/005678	(72)Name of Inventor :
Filing Date	:25/08/2010	<b>1)LIM, DONG GUK</b>
(87) International Publication No	:WO 2011/025247 A3	<b>2)CHO, HAN GYU</b>
(61) Patent of Addition to Application Number	:NA	<b>3)MOON, SUNG HO</b>
Filing Date	:NA	<b>4)KWAK, JIN SAM</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for transmitting and receiving control information in a wireless communication system is disclosed. A method for transmitting control information in procedure of data transmission and reception with FDD (frequency division duplex) scheme by a base station of a wireless communication system supporting a mobile station of a first system and a mobile station of a second system includes transmitting information about a number of orthogonal frequency division multiplexing (OFDM) symbols contained in a downlink zone of a frame of the first system in downlink bandwidth to a mobile station of the first system through a Number of OFDMA symbols' field of a downlink MAP (DL-MAP); and transmitting information about a number of OFDM symbols contained in an uplink zone of the frame of the first system in uplink bandwidth to the mobile station of the first system through a Number of OFDMA symbols' field of an uplink MAP (UL-MAP), wherein the mobile station operates with half-FDD (H-FDD), and the downlink zone of the frame of the first system does not overlap with the uplink zone of the frame of the first system in time domain.

No. of Pages : 28 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1833/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR DETECTING COVERAGE LOSS IN BROADBAND WIRELESS ACCESS SYSTEM

(51) International classification :H04W48/16  
(31) Priority Document No :61/237,662  
(32) Priority Date :27/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/KR10/005761  
Filing Date :27/08/2010  
(87) International Publication No :WO 2011/025289  
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)LEE, JIN**

**2)KIM, YONG HO**

**3)RYU, KI SEON**

(57) Abstract :

A method for detecting coverage loss in a broadband wireless access system, is disclosed, which, recognizes a connection state between a mobile station (MS) and a base station (BS), and provides a method and apparatus for quickly performing network re-entry when the MS moves out of a coverage area of the BS. A method for allowing a base station to perform coverage loss detection of a mobile station in a broadband wireless access system includes unsolicited transmitting a first message wherein a bit for requesting ranging execution is set, to the mobile station, and upon receiving a second message for confirming the ranging from the mobile station prior to expiration of a first timer that begins to operate when the first message is transmitted, restarting operating a second timer established for the mobile station.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1837/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : A GREASE COMPOSITION AND METHODS FOR MANUFACTURING THE GREASE COMPOSITION

(51) International classification	:C10M123/02	(71)Name of Applicant :
(31) Priority Document No	:PCT/EP2009/005662	<b>1)SKF B.V</b>
(32) Priority Date	:05/08/2009	Address of Applicant :P.O BOX 2350 NL-3430 DT
(33) Name of priority country	:EPO	NIEUWEGEIN Netherlands
(86) International Application No	:PCT/EP2010/004734	(72)Name of Inventor :
Filing Date	:03/08/2010	<b>1)FRANCISCUS CATHERINA MARTINUS</b>
(87) International Publication No	:WO/2011/015337	<b>FIDDELAERS</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SEBASTIEN DAVID</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a non-hydroxide grease composition comprising a base oil and a thickener which comprises amorphous hydrophilic silicon oxide particles and one or more metal salts of different organic acids, wherein the silicon oxide particles have a BET specific surface area of at least 50 m<sup>2</sup>/g and wherein the amount of the metal salt(s) is 4-25% by weight, based on the total weight of the grease composition. The present invention further relates to a method for manufacturing said grease composition and the use of said grease composition for lubricating a bearing and in couplings and gearings.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1839/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : DE-TUNING IN WIRELESS POWER RECEPTION

(51) International classification :H04B5/00  
(31) Priority Document No :61/239,418  
(32) Priority Date :02/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047747  
Filing Date :02/09/2010  
(87) International Publication No :WO 2011/028956 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)PAOLO MENEGOLI**

**2)LINDA S. IRISH**

(57) Abstract :

Exemplary embodiments are directed to wireless power transfer. A receiver with a receive antenna couples with near field radiation in a coupling-mode region. The receiver generates an RF signal at a resonant frequency responsive to the near field radiation. A detuning circuit generates a variable impedance responsive to a control signal to modify the RF signal to a smaller amplitude or to a different resonant frequency. A rectifier converts the modified RF signal to a DC signal. A comparator creates a feedback loop by generating the control signal responsive to comparing the DC signal to a reference voltage. The detuning circuit may operate in digital mode or in linear mode with the feedback. An impedance element may be coupled to the detuning circuit to generate a voltage proportional to a current through the detuning circuit. The proportional voltage is rectified to a receive signal with information sent from a transmitter.

No. of Pages : 41 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1841/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR DELIVERING TARGETED CONTENT TO WEBSITE VISITORS

(51) International classification :G06Q30/00  
(31) Priority Document No :61/238,004  
(32) Priority Date :28/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/046986  
Filing Date :27/08/2010  
(87) International Publication No :WO 2011/025954 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)ANDREAS J HUNN**  
**2)NICK TABBAL**  
**3)SARA TAYLOR**  
**4)JOHN BRADY**

(57) Abstract :

A method of selecting a website for delivery of targeted content to an audience member computer based on attitude Eltassociated with audience members who participate in a computer implemented survey is disclosed. The survey response in- SSn as well as website visitation information, and demographic information associated with the audience members may be ' other bored in a central database. An attitude value may be determined from the survey response formation and/or the ' other information for the audience members. The attitude value may indicate the audience member's view about an KSUC, topic, nrodL service or the like. The attitude value in conjunction with other website visitation information may be used to select a Website for delivery of the targeted content to the audience members.

No. of Pages : 72 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1861/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :28/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : POLYPROPYLENE FILM COMPRISING AN OPENING AID

(51) International classification	:B65D75/58
(31) Priority Document No	:10 2009 039 280.7
(32) Priority Date	:28/08/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/005224
Filing Date	:26/08/2010
(87) International Publication No	:WO 2011/023386
	A1
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)SPEITH-HERFURTH, ANGELA**  
**2)STUPPI, PATRICK**  
**3)WINTRICH, LEO**  
**4)STEINBRECHER, JORG**  
**5)HENNE, MARKUS**

(57) Abstract :

A biaxially oriented polypropylene film with at least two perforated lines is described, which run parallel to one another and are located at a maximum interval of 10 mm. The perforations of the two lines are offset relative to one another. The intervals of undamaged film between the perforations are longer than the perforations.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1893/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : GREEN HOUSE GAS GRID AND TRACKING SYSTEM

(51) International classification :G06Q10/00  
(31) Priority Document No :61/230,235  
(32) Priority Date :31/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/043917  
Filing Date :30/07/2010  
(87) International Publication No :WO 2011/014782 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)TYBURSKI, MATTHEW, GERARD**

(57) Abstract :

A method and computer system for reporting on a target greenhouse gas within a geographical boundary of an offset project by compiling policy parameters for the target greenhouse gas and generating a science plan for monitoring the target greenhouse gas for the target geographical boundary of the offset project, based upon the compiled policy parameters. An allometric model for the target greenhouse gas within the geographical boundary of the offset project is generated based upon the science plan of the target greenhouse gas for the geographic boundary, and a report for the target greenhouse gas within the target geographical boundary of the offset project is generated based upon the allometric model.

No. of Pages : 145 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1896/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : CHECKING A CONFIGURATION MODIFICATION FOR AN IED

(51) International classification	:H04L29/06
(31) Priority Document No	:09 169 009.9
(32) Priority Date	:31/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/061633
Filing Date	:10/08/2010
(87) International Publication No	:WO 2011/023533
	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)WIMMER, WOLFGANG**

(57) Abstract :

The present invention proposes a method of checking, in a reliable, secure and delay-free way during regular operation of a Process Control PC or Substation Automation SA system, an intended configuration modification for a mission- critical IED (10) of the system. The IED receives, from an authenticated requestor (20), a modification request directed to IED configuration, parameter or setting data. The IED then checks the requested configuration modification, and rejects it in case no approval or confirmation is made by an approver (21) independent of the requestor, and accepts and implements it otherwise. The IED authenticates the approver prior to receiving the request, and stores, in a local memory (11), a configuration modification plausibility check provided by the approver. The stored plausibility check is then performed, by a plausibility checking unit (12), on the intended modification, and the latter is rejected or approved based on a result of the stored plausibility check when applied to specific circumstances of the configuration modification request. Authenticating the approver days or hours in advance eliminates any delay that would otherwise incur when waiting for an online or real-time approval.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1985/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : ENHANCER FOR PROMOTER AND USE THEREOF•

(51) International classification :C12N 15/09  
(31) Priority Document No :2009-205365  
(32) Priority Date :04/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/005447  
Filing Dte :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

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**2)THE RESEARCH FOUNDATION FOR MICROBIAL  
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(72)Name of Inventor :

**1)MATSUURA Masaaki**

**2)TAKEMOTO Masaya**

**3)KOSHIZUKA Tetsuo**

**4)YAMANISHI Koichi**

**5)MORI Yasuko**

(57) Abstract :

Disclosed is an enhancer for a viral promoter such as a promoter that can induce expression selectively and strongly in immunocompetent cells (e.g. lymphocytes) or blood cells. It is found unexpectedly that an intron has the above-mentioned enhancer activity. Thus it is found that an enhancer for a promoter which comprises an intron sequence for a major immediate early gene (MIE) of human herpes virus-6 (HHV-6) (particularly HHV-6B) or a fragment of the intron sequence has a potent promoter activity.

No. of Pages : 103 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1986/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : BACULOVIRUS-BASED PRODUCTION OF BIOPHARMACEUTICALS FREE OF CONTAMINATING BACULOVIRAL VIRIONS•

(51) International classification :C12N 15/866

(31) Priority Document No :09305761.0

(32) Priority Date :17/08/200

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/061456

Filing Date :05/08/2010

(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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(72)Name of Inventor :

**1)MERTEN Otto-Wilhelm**

**2)MAREK Martin**

**3)VAN OERS Monique**

(57) Abstract :

The present invention relates to methods for the production of biopharmaceuticals implementing a baculovirus-based system. These methods advantageously allow the production of biopharmaceuticals with a reduced number of or without contaminating baculoviral virions.

No. of Pages : 98 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1987/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : TD PROBE AND ITS USES•

(51) International classification :C12Q1/68  
(31) Priority Document No :10-2009-0083196  
(32) Priority Date :03/09/2009  
(33) Name of priority country :Republic of Korea  
86) International Application No :PCT/KR2010/005971  
Filing Date :02/09/2010  
(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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**1)CHUN Jong Yoon**

**2)HWANG In Taek**

**3)LEE Sang Kil**

(57) Abstract :

The present invention relates to a target discriminative probe (TD probe) and its uses or applications. The TD probe is hybridized with a target nucleic acid sequence through both of the 5-second hybridization portion and the 3-first hybridization portion. When the TD probe is hybridized with a non-target nucleic acid sequence both the 5-second hybridization portion and the separation portion are not hybridized with the non-target nucleic acid sequence such that both portions form a single strand due to its low T<sub>m</sub> value. As such the TD probe exhibits distinctly different hybridization patterns for each of the target and the non-target nucleic acid sequence discriminating the target nucleic acid sequence from the non-target nucleic acid sequence with much higher specificity.

No. of Pages : 156 No. of Claims : 94

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1988/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : PENETRATION-RESISTANT TEXTILE FABRICS AND ARTICLES COMPRISING SAID FABRICS

(51) International classification	:D02G3/44
(31) Priority Document No	:09169509.8
(32) Priority Date	:04/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/062524
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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(72)**Name of Inventor :**  
**1)B-TTGER Christian**  
**2)HARTERT Rüdiger**

(57) Abstract :

The invention relates to penetration-resistant textile fabrics and articles comprising said fabrics. The penetration-resistant textile fabrics are characterized in that they have an improved fragment protection and additionally an improved stab resistance efficiency at the same ballistic protection. The advantageous combination of characteristics of the penetration-resistant textile fabrics correspondingly transfers to articles which comprise the penetration-resistant textile fabrics.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1989/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHODS SYSTEMS AND DEVICES FOR NON-INVASIVE OPEN VENTILATION INCLUDING A NON-SEALING VENTILATION INTERFACE WITH A FREE SPACE NOZZLE FEATURE

(51) International classification :A61M16/00

(31) Priority Document No :61/239,728

(32) Priority Date :03/09/2009

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

(86) International Application No :PCT/US2010/047920

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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(72)Name of Inventor :

**1)CIPOLLONE Joseph**

**2)AGUIRRE Joey**

**3)ALLUM Todd**

**4)EGHBAL Darius**

**5)WONDKA Anthony D.**

(57) Abstract :

A system for supplying ventilatory support may include a nasal interface configured to communicate with a patient's nose while allowing the patient to breathe ambient air directly without flowing through the nasal interface. A nozzle may be associated with the nasal interface at a distance from a nose. The nozzle may be connectable to the gas delivery circuit and the gas delivery source. The nozzle may be capable of delivering gas into the nasal passage by creating negative pressure area near the nozzle and a positive pressure area near the entrance to the nose. A combination of gas from the gas delivery source and air entrained from the gas exiting the nozzle may provide ventilatory support.

No. of Pages : 57 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1990/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : RADIO COMMUNICATION DEVICE HAVING CARRIER PHASE NOISE ELIMINATION FUNCTION AND RADIO COMMUNICATION METHOD

(51) International classification :H04B1/10  
(31) Priority Document No :2009-204614  
(32) Priority Date :04/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/065134  
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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Address of Applicant :7-1 Shiba 5-chome Minato-ku  
Tokyo 108-8001 Japan  
(72)**Name of Inventor :**  
**1)KANAUCHI Tomohiro**

(57) Abstract :

A radio communication device reproduces a carrier signal by eliminating phase noise from a carrier phase signal detected from a received baseband signal. Herein a filtering characteristic having a default value is adopted to eliminate phase noise from the carrier phase signal with respect to a firstly received baseband signal. Integrated phase noise characteristics are calculated by adding a transmission-side phase noise characteristic which is extracted from a radio frame demodulated from the carrier signal to a predetermined reception-side phase noise characteristic. An optimum filtering characteristic is selected through comparison between a threshold and integrated phase noise characteristics. The selected filtering characteristic is adopted to eliminate a noise component from the carrier phase signal with respect to a subsequent baseband signal.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMPOSITION FOR PRINTING ELECTRODES

(51) International classification :H01B1/02  
(31) Priority Document No :09169548.6  
(32) Priority Date :04/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/062775  
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)KLEINE J.,GER Frank**  
**2)HERMES Stephan**  
**3)KACZUN J/rgen**

(57) Abstract :

The invention relates to a composition for printing electrodes onto a substrate said composition containing 30 to 90% by weight of electroconductive particles 0 to 7 % by weight of glass filter 0.1 to 5% by weight of at least one absorbent for laser radiation 0 to 8% by weight of at least one matrix material 0 to 8% by weight of at least one organometallic compound 3 to 50% by weight of a solvent 0 to 650% by weight of at least one retention agent and 0 to 5% by weight of at least one additive each based on the total mass of the composition. The invention further relates to a use of the composition.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1992/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : STABLE SNS-595 COMPOSITIONS AND METHODS OF PREPARATION

(51) International classification :C07D417/04

(31) Priority Document No :61/240,161

(32) Priority Date :04/09/2009

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

(86) International Application No :PCT/US2010/047776

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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(72)Name of Inventor :

**1)SUDHAKAR Anantha**

**2)JACOBS Jeff**

**3)HASHASH Ahmad**

**4)RITCHIE Sean**

**5)CHENG Hengqin**

(57) Abstract :

Methods of preparing substantially pure SNS-595 substance are disclosed. Also provided are compositions comprising SNS-595 substance that are substantially pure and essentially free of visible particles.

No. of Pages : 73 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1993/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : GAME ACCESSORY ESPECIALLY DICE

(51) International classification	:A63F9/04
(31) Priority Document No	:P0900542
(32) Priority Date	:03/09/2009
(33) Name of priority country	:Hungary
(86) International Application No	:PCT/IB2010/053983
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

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Address of Applicant :Szilígyi Erzsébet fasor 34 H-1120  
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(72)Name of Inventor :

**1)NAGY Richárd**

(57) Abstract :

The invention relates to a game accessory especially dice comprising a polygonal body (1) delimited by side surfaces (2) and markings (5) carrying different meanings arranged on the body (1) according to a predetermined rule or in a definite manner wherein the markings (5) are created as spatial - 3D - local mechanical shape alterations in form of depressions along the joining edges (3) of the side surfaces (2) delimiting said body (1).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1995/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : TEXTILE FABRIC MADE FROM ARAMID FIBERS AND THE USE THEREOF

(51) International classification	:D06M15/513
(31) Priority Document No	:09169383.8
(32) Priority Date	:03/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/062522
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)HARTERT Rüdiger**  
**2)AKKER Peter Gerard**

(57) Abstract :

The invention relates to a textile fabric made from aramid fibers finished with a finishing agent wherein the finishing agent comprises a carbonic acid polyester. The invention further relates to the use of the textile fabric for producing a penetration-resistant article such as a fragment protection mat a bullet-proof vest a flak jacket a stab-proof vest or a combination of at least two of the mentioned articles.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1996/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : A DISCONNECTOR FOR ELECTRIC POWER EQUIPMENT FILLED WITH DIELECTRIC LIQUID

(51) International classification :H01H71/12  
(31) Priority Document No :09460035.0  
(32) Priority Date :07/08/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/004104  
Filing Date :30/06/2010  
(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)ABB TECHNOLOGY AG**

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Switzerland

(72)Name of Inventor :

**1)CIESIELSKI Slawomir**

(57) Abstract :

A disconnector for electric power equipment filled with dielectric liquid especially transformers applicable in protecting the operation of electric power equipment. The disconnector contains at least two cylindrical current-limiting fuses (9) situated inside a tank (1) and each fuse (9) is electrically connected with external phase power supply and through fixed contacts (16) and moving contacts (25) of the disconnector with the active part (2) of the piece of electric power equipment. The disconnector is characterized in that the current-limiting fuses (9) are placed in a common housing (10) in which a slide (20) with a pilot (22) is situated and to the slide (20) there are inseparably fixed moving contacts (25) which move together with the slide (20) when the slide (20) makes a to-and-fro motion.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : LASER WELDING DEVICE AND USE OF THIS DEVICE FOR THE WELDING OF A SHEET METAL ROOF OR A GLASS-ROOF-SUPPORTING ELEMENT TO THE PASSENGER COMPARTMENT SIDE OF A MOTOR VEHICLE

(51) International classification :B23K 26/02

(31) Priority Document No :0956016

(32) Priority Date :03/09/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051485

Filing Date :15/07/2010

(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

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**1)GELABERT ARRIETA Ignacio**

**2)MORISSET Philippe**

**3)RIVIERE Sverine**

(57) Abstract :

A laser welding device for braze-welding a first sheet metal part to a second sheet metal part comprising a frame (5) supporting a head (6) that emits a laser beam (7) and a nozzle (8) that supplies the welding wire (9) which are configured to produce a welding bead along a junction line between said first and second sheet metal parts the said frame (5) also supporting a pressure-roller (10) configured to press one of the said parts against the other part this pressure-roller (10) being positioned upstream of the laser beam (7) relatively to the direction (F) in which the laser beam (7) moves

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : INK SET&NBSP; RECORDING METHOD&NBSP; RECORDED MATERIAL&NBSP; AND PRINTED MATERIAL

(51) International classification	:C09D11/00	(71)Name of Applicant :
(31) Priority Document No	:2009-205356	<b>1)FUJIFILM Corporation</b>
(32) Priority Date	:04/09/2009	Address of Applicant :26-30 Nishiazabu 2-chome Minato-
(33) Name of priority country	:Japan	ku Tokyo 106-0031 Japan
(86) International Application No	:PCT/JP2010/065074	(72)Name of Inventor :
Filing Date	:02/09/2010	<b>1)TATEISHI Keiichi</b>
(87) International Publication No	: NA	<b>2)YAMAMOTO Hiroshi</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There are provided an ink set having color reproducibility over a wide range and excellent fastness to ozone gas and light resistance (in a region of yellow monochrome and regions of mixed colors, such as red and green), and a recording method and a recorded material each using such an ink set. The ink set includes a yellow ink composition and either a magenta ink composition or a cyan ink composition, or both, wherein a coloring agent of the yellow ink composition is one which includes an azo pigment represented e.g. by the following formula or its tautomers or their salts or hydrates, the magenta ink composition contains as a coloring agent at least one pigment selected from the following: CI. Pigment Violet 19, CI. Pigment Red 122, C.I. Pigment Red 202 and C.I. Pigment Red 209, and the cyan ink composition contains as a coloring agent at least one pigment selected from the following: C.I. Pigment blue 15:1, C.I. Pigment Blue 15:2, CI. Pigment Blue 15:3, CI. Pigment Blue 15:4 and CI. Pigment Blue 15:6.

No. of Pages : 148 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1999/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : DESTRUCTIVE DISPOSAL OF MEDICAL ACTIVE INGREDIENTS IN TRANSDERMAL THERAPEUTIC SYSTEMS

(51) International classification :B09B 3/00  
(31) Priority Document No :10 2009 036 485.4  
(32) Priority Date :07/08/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/004641  
Filing Date :29/07/2010  
(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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(72)**Name of Inventor :**  
**1)WIRZ Margit**  
**2)HILLE Thomas**

(57) Abstract :

The invention relates to a means for the destructive disposal of medical active ingredients present in transdermal therapeutic systems (TTS) . The means possesses a multilayer construction and also comprises at least one layer with agent incorporated therein and at least one fiber layer. It can further comprise a protective layer. The means according to the invention is stored separate from the TTS. The separately stored means is contacted with the TTS after said TTS has been used

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2000/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR CONTINUOUSLY SEPARATING ORGANIC MATERIALS OF INTEREST FROM FERMENTATION

(51) International classification :C12P 7/16  
(31) Priority Document No :09 56006  
(32) Priority Date :03/09/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/EP2010/062933  
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

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(72)Name of Inventor :

**1)SCHWARTZ Joël**

**2)MARION Philippe**

(57) Abstract :

The present invention relates to a method for continuously separating organic materials of interest from fermentation in particular lactic or alcoholic fermentation by flash evaporation. Said method in particular makes it possible to avoid inhibiting the fermentation reaction and to obtain very high yields and productivity.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2001/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHODS SYSTEMS AND DEVICES FOR NON-INVASIVE OPEN VENTILATION INCLUDING A NON-SEALING VENTILATION INTERFACE WITH AN ENTRAINMENT PORT AND/OR PRESSURE FEATURE

(51) International classification :A61M 16/08  
(31) Priority Document No :61/239,728  
(32) Priority Date :03/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047921  
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

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**1)ALLUM Todd**  
**2)CIPOLLONE Joseph**  
**3)EGHBAL Darius**  
**4)WONDKA Anthony D.**

(57) Abstract :

Systems and methods may include a gas source, a gas delivery circuit, and a nasal interface allowing breathing ambient air through the nasal interface. A gas flow path through the nasal interface may have a distal gas flow path opening. A nozzle may be associated with a proximal end of the nasal interface a distance from the distal end gas flow path opening. At least a portion of an entrainment port may be between the nozzle and the distal end gas flow opening. The nozzle may deliver gas into the nasal interface to create a negative pressure area in the gas flow path at the entrainment port. The nasal interface and the nozzle may create a positive pressure area between the entrainment port and the distal end gas flow path opening. Gas from the gas delivery source and air entrained through the entrainment port may increase airway pressure or lung pressure or provide ventilatory support.

No. of Pages : 85 No. of Claims : 69

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2002/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMPOSITION AND PROCESS FOR PRODUCTION THEREOF

(51) International classification :B01J13/00  
(31) Priority Document No :2009-183755  
(32) Priority Date :06/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/063316  
Filing Date :05/08/2010  
(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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**5)TORII Masumi**

**6)MIYAO Haruka**

**7)NAKAYAMA Yoshimitsu**

**8)TORII Tomoyuki**

**9)MORI Masahito**

(57) Abstract :

Disclosed are: a composition which enables the more effective development of the efficacy of a water-soluble drug in a solution containing the drug; and a dispersion in which a hydrophobic drug can be dispersed stably without requiring the use of any surfactant. Specifically disclosed are: a composition comprising ultra-fine bubbles having a mode particle size of 500 nm or less a drug and water; and a process for producing a composition comprising ultra-fine bubbles having a mode particle size of 500 nm or less a drug and water which utilizes an ultra-fine bubble generation apparatus.

No. of Pages : 38 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2003/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : DOOR LOCK DEVICE FOR VEHICLE

(51) International classification	:E05B 65/20
(31) Priority Document No	:2010-173970
(32) Priority Date	:02/08/2010
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2011/059363
Filing Date	:15/04/2011
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**  
**1)KOUZUMA Hiroyuki**

(57) Abstract :

A door lock device for a vehicle is provided in which a lock release member that is operable between an operating position at which the ratchet is operated toward the side on which the ratchet engages with the latch and a standby position at which free pivoting of the ratchet is allowed and that is urged toward the standby position is driven to the operating position by a drive member which engages with the lock release member when an actuator is operated, the door lock device being capable of releasing a locked state of a door by operation of the actuator and also being capable of releasing the locked state of the door by a manual operation, wherein an engagement release mechanism (96) releases engagement of a drive member (67) and a lock release member (66) in response to a manual operation for releasing the locked state of the door being carried out while the drive member (67) is engaged with the lock release member (66). This enables recovery of a state in which a door can be held in a closed state even in a state in which a drive member has stopped at an operating position due to malfunction of an actuator in a state in which a locked state of the door is released.

No. of Pages : 29 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2004/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : FILAMENTOUS FUNGI AND METHODS FOR PRODUCING TRICHODIENE FROM LIGNOCELLULOSIC FEEDSTOCKS

(51) International classification :C12N 1/15  
(31) Priority Document No :61/231,374  
(32) Priority Date :05/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/044595  
Filing Date :05/08/2010  
(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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Denmark  
(72)**Name of Inventor :**  
**1)HOHN Thomas M.**

(57) Abstract :

The present invention relates to the production of a C-15 fuel from lignocellulosic or other feedstock. Specifically at least double mutant of filamentous fungi having the isoprenoid pathway results in production of trichodiene in commercial quantities. One embodiment of the invention relates to producing the fuel at the site of the lignocellulosic feedstock to reduce costs of shipping the feedstock.

No. of Pages : 75 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2006/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : LIGHT BULB SHAPED LAMP

(51) International classification :F21S 2/00  
(31) Priority Document No :2010-162504  
(32) Priority Date :20/07/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/004103  
Filing Date :20/07/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)TAKEUCHI Nobuyoshi**  
**2)MATSUDA Tsugihiko**  
**3)NAGAI Hideo**  
**4)MIKI Masahiro**  
**5)KURIMOTO Yoshitaka**

(57) Abstract :

A light bulb shaped lamp (1) according to the present invention includes: a base board (120); an LED chip (110) mounted on the base board (120); a base (190) for receiving power from outside; at least two power-supply leads (140) for supplying power to the LED chip (110); and a globe (170) for housing the base board (120) the LED chip (110) and the power-supply leads (140) the globe being partially attached to the base (190) the base board (120) is translucent each of the two power-supply leads (140) is extended from a side of the base toward inside of the globe and is connected to the base board (120) and the LED chip (110) is provided between

No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2007/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : ROLL DAMPENING APPARATUS

(51) International classification	:B63B 39/03
(31) Priority Document No	:20092940
(32) Priority Date	:06/08/2009
(33) Name of priority country	:Norway
(86) International Application No	:PCT/NO2010/000297
Filing Date	:05/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)HELLESVIK Eirik**

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(72)**Name of Inventor :**

**1)HELLESVIK Eirik**

(57) Abstract :

A roll dampening apparatus (200) for reducing rolling motion in an ocean vessel (100) includes an elongate tank (20) disposed transversely across the vessel (100) partially filled with a liquid (10). A control arrangement (210 220) monitors in operation a roll angle (or) of the vessel (100) and controls dynamically an effective depth (d) of the liquid (10) so that a wave (30) propagating on a surface of the liquid (10) is at least partially in antiphase to the rolling motion of the vessel (100) for reducing a magnitude of the rolling motion.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1782/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : POWER EFFICIENT OBJECT DETECTION WITH SELECTIVE POLLING

(51) International classification :H04B7/24  
(31) Priority Document No :12/565,396  
(32) Priority Date :23/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047063  
Filing Date :28/08/2010  
(87) International Publication No :WO 2011/037725 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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REDMOND, WASHINGTON 98052-6399 U.S.A.  
(72)**Name of Inventor :**  
**1)BURKET, WILLIAM DONN**  
**2)KAPOOR, SHOBANA**

(57) Abstract :

Detecting the absence of tagged objects near a computing device and attempting to locate the absent, tagged objects using other computing devices in a power-efficient manner. The computing device is monitored for triggering conditions. Upon occurrence of at least one of the triggering conditions, the computing device polls for the tagged objects expected to be proximate to the computing device. By polling responsive to occurrence of the triggering conditions, power consumption by the computing device is reduced. The triggering conditions include, for example, time-based transitions, movement of the computing device, or a geographic location of the computing device. Upon detecting the absence of at least one of the objects, the computing device, or a web service, identifies other computing devices to which the absent object may be proximate. The other computing devices determine whether the absent object is proximate, and notify the computing device.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1784/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : CAMERA-BASED SCANNING

(51) International classification :H04N5/225  
(31) Priority Document No :61/245,278  
(32) Priority Date :23/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047061  
Filing Date :28/08/2010  
(87) International Publication No :WO 2011/037724 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)NIJEMCEVIC, DJORDJE**  
**2)VUKOSAVLJEVIC, MAGDALENA**  
**3)VUGDELIJA, MILAN**  
**4)MITROVIC, ANA**  
**5)PETSCHNIGG, GEORG F.**  
**6)DRESEVIC, BODIN**

(57) Abstract :

Embodiments of camera-based scanning are described. In various embodiments, scanned documents can be created using images captured by a camera associated with a device. An image captured by the camera is processed to identify portions within the image that correspond to rectangular objects such as paper, business cards, whiteboards, screens, and so forth. One or more of these portions can be selected for scanning automatically based on a scoring scheme and/or semi-automatically with the aid of input from a user. One or more scanned documents are created from the selected portions by un-warping the selected portions to remove effects of perspective (e.g., rectify the portions to rectangles) and applying various image enhancements to improve appearance.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1792/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : HIGH TEMPERATURE SEALING

(51) International classification	:F16J15/06
(31) Priority Document No	:10 005 873.4
(32) Priority Date	:08/06/2010
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2011/001943
Filing Date	:16/04/2011
(87) International Publication No	:WO 2011/154071
	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)REFRACTORY INTELLECTUAL PROPERTY**

**GMBH & CO. KG**

Address of Applicant :WIENERBERGSTRASSE 11, 1100  
VIENNA Austria

(72)Name of Inventor :

**1)SEITZ, PATRICK**

**2)FLUCH, BERNHARD**

**3)PISCHEK, STEFAN**

**4)BUGAJSKI, MARGARETA**

(57) Abstract :

The invention relates to a high temperature sealing, including the following features: - a ceramic refractory sealing mass, - an envelope surrounding the said refractory sealing mass, - the envelope decomposes at temperatures between >50 and

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2010/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : RADIO COMMUNICATING SYSTEM&NBSP; RADIO COMMUNICATING METHOD&NBSP; RADIO STATION&NBSP; CONTROL STATION AND PROGRAM

(51) International classification :H04W 24/08  
(31) Priority Document No :2009-184996  
(32) Priority Date :07/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/063407  
Filing Date :06/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)NEC Corporation**  
Address of Applicant :7-1 Shiba 5-chome Minato-ku  
Tokyo 108-8001 Japan  
(72)**Name of Inventor :**  
**1)FUTAKI Hisashi**

(57) Abstract :

A radio station communicates control information for multipoint cooperating communication in which a plurality of radio stations takes part in data transmission/ reception of a terminal with another radio station taking part in the multipoint cooperating communication and/or a control station that manages the radio station.

No. of Pages : 86 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2011/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : LIGHT-EMITTING DEVICE&NBSP; LIGHT BULB SHAPED LAMP AND LIGHTING APPARATUS

(51) International classification :F21S2/00  
(31) Priority Document No :2010-247953  
(32) Priority Date :04/11/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/005279  
Filing Date :20/09/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :  
**1)TAKEUCHI Nobuyoshi**  
**2)MATSUDA Tsugihiko**  
**3)NAGAI Hideo**  
**4)MIKI Masahiro**  
**5)UEMOTO Takaari**

(57) Abstract :

A light-emitting device capable of effectively dissipating heat generated at an LED is provided. The light-emitting device according to the present invention includes: a base board (140); and an LED chip (150) mounted on the base board (140). The base board (140) is a translucent base board made of a polycrystalline ceramic. A main region of the base board (140) is a region including an element mounted region (A2) on which the LED chip (150) is mounted and an average grain size of the polycrystalline ceramic in the main region is between 10  $\mu\text{m}$  and 40  $\mu\text{m}$  inclusive. An end portion region (A1) of said base board (140) is a region around an end portion and an average grain size of the polycrystalline ceramic in the end portion region (A1).

No. of Pages : 37 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMAGE DISPLAY APPARATUS

(51) International classification	:G09F 9/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-244049	<b>1)NEC Infrontia Corporation</b>
(32) Priority Date	:23/10/2009	Address of Applicant :2-6-1 Kitamikata Takatsu-ku
(33) Name of priority country	:Japan	Kawasaki-shi Kanagawa Japan
(86) International Application No	:PCT/JP2010/068729	(72) <b>Name of Inventor :</b>
Filing Date	:22/10/2010	<b>1)KOYAMA Masaya</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In an image display apparatus used at a restaurant or the like a storage portion for receiving articles such as a menu is separately provided as a dedicated part. Therefore the number of parts increases and an assembly operation an installation operation and the like cost much labor. An image display apparatus that requires no dedicated part and can reduce the number of parts for thereby simplifying an assembly operation an installation operation and the like can be obtained by unifying a support portion for supporting a display body and a storage portion.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2013/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : ELECTRONIC FUNDS AND RECEIPT TRANSFER SYSTEM•

(51) International classification	:G06Q 20/00
(31) Priority Document No	:2009903652
(32) Priority Date	:05/08/2009
(33) Name of priority country	:Australia
(86) International Application No	:PCT/AU2010/000988
Filing Date	:04/08/2010
(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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Western Australia 6152 Australia

(72)**Name of Inventor :**

**1)JOHNSON Mark**

(57) Abstract :

A system and method for providing an electronic funds and receipt transfer system capable of making available to the customer or other authorised third party receipt data relating to an EFTPOS transaction in an electronic format (26). In accordance with one preferred embodiment the receipt data generated by the merchant at the time of sale is attached to the EFTPOS transaction data and sent using the same channels as known EFTPOS systems (16). Alternatively the receipt data may be transferred to a third party location for later retrieval. To access the receipt data the system allows the customer to access their financial institutions internet banking webpage (22) and print save or email a copy of the receipt (26) as generated by the merchant at the time of sale.

No. of Pages : 23 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2014/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CUSTOMIZING MAP PRESENTATIONS BASED ON USER INTERESTS

(51) International classification :G06F 17/30

(31) Priority Document No :12/553,462

(32) Priority Date :03/09/2009

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

(86) International Application No :PCT/FI2010/050649

Filing Date :18/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)NOKIA CORPORATION**

Address of Applicant :Keilalahdentie 4 FIN-02150 Espoo  
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(72)Name of Inventor :

**1)Juha Arrasvuori**

(57) Abstract :

An approach is provided for customizing map presentations. A map customizing platform determines a degree of interest of a site represented on an image of a map by tracking at least one of a frequency of visit to the site and a time period of visit at the site. The map customizing platform then changes an image size of the site relative to the image of the map based on the degree of interest.

No. of Pages : 41 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : APPARATUS, LOGIC AND METHOD FOR PROVIDING A TRANSLATION MECHANISM IN A NETWORK ENVIRONMENT

(51) International classification	:H04L29/12	(71)Name of Applicant :
(31) Priority Document No	:61/252,353	<b>1)CISCO TECHNOLOGY, INC.</b>
(32) Priority Date	:16/10/2009	Address of Applicant :SJC/10/2/1, 170 WEST TASMAN
(33) Name of priority country	:U.S.A.	DRIVE, SAN JOSE, CALIFORNIA 95134-1706 U.S.A.
(86) International Application No	:PCT/US2010/050201	(72)Name of Inventor :
Filing Date	:24/09/2010	<b>1)GUNDAVELLI, SRINATH</b>
(87) International Publication No	:WO 2011/046730 A1	<b>2)BROCKNERS, FRANK</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GRAYSON, MARK</b>
Filing Date	:NA	<b>4)LEUNG, KENT, K.</b>
(62) Divisional to Application Number	:NA	<b>5)ANDREASEN, FLEMMING, S.</b>
Filing Date	:NA	

(57) Abstract :

An example method is provided and includes receiving a packet associated with a flow, determining a tunnel identifier for the flow, and determining a flow identifier for the flow. The method includes associating the flow identifier and the tunnel identifier to an Internet protocol (IP) address to generate a binding to be used for a network address and port translation (NAPT). In other embodiments, a routing decision is executed based on the binding between the identifiers and the IP address. The flow identifier can be a context identifier (CID), and the tunnel identifier can be a software tunnel ID. In yet other embodiments, the packet can be tagged as part of an encapsulation operation, which includes providing information about a network location at which the network address and port translation is to be executed.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMPOSITIONS AND METHODS FOR TREATING BACTERIAL INFECTIONS USING CEFTAROLINE•

(51) International classification	:A61K31/545	(71)Name of Applicant :
(31) Priority Document No	:61/244,120	<b>1)ASTRAZENECA AB</b>
(32) Priority Date	:21/09/2009	Address of Applicant :SE -151 85 Sdertlje Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PC/US2010/049659	<b>1)THYE Dirk</b>
Filing Date	:21/09/2010	<b>2)TALBOT George</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 compositions comprising ceftaroline or a prodrug thereof (e.g. ceftaroline fosamil) and methods for treating bacterial infections such as complicated skin and structure infections (cSSSI) and community-acquired bacterial pneumonia (CABP) by administering ceftaroline or a prodrug thereof (e.g. ceftaroline fosamil).

No. of Pages : 66 No. of Claims : 23



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2028/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : LARYNGOSCOPE•

(51) International classification :A61B 1/045  
(31) Priority Document No :0915107.7  
(32) Priority Date :28/08/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/001535  
Filing Date :12/08/2010  
(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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Mahe Seychelles

(72)Name of Inventor :

**1)PATEL Anil**

**2)YOUNG Peter**

**3)PLEVNIK Marko**

(57) Abstract :

A laryngoscope comprising a handle a blade holding element a detachable blade means for viewing the laryngeal inlet of a patient and means for adjusting the viewing field. The means for adjusting the viewing field may comprise a light refracting means. Alternatively in embodiments in which the viewing means comprises at least two fixed cameras elements directed to at least two different viewing fields the means for adjusting the viewing field may comprise means for switching from one camera to the other or in embodiments in which the viewing means comprises a movable camera element the means for adjusting the viewing field may comprise mechanical or electronic means for controlling the movement of the camera. A method for viewing the laryngeal inlet of a patient using a laryngoscope comprising the step of adjusting the viewing field is also covered.

No. of Pages : 45 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2029/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : TITANIUMRICH HYDROCHLORIC ACID LEACHING RESIDUE USE THEREOF AND PREPARATION METHOD OF TITANIUM DIOXIDE•

(51) International classification :C22B 3/10  
(31) Priority Document No :20010306494.5  
(32) Priority Date :02/09/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/076579  
Filing Date :02/09/2010  
(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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**2)CHEN SHUZHONG**  
(72)Name of Inventor :  
**1)CHEN SHUZHONG**  
**2)WANG Bob Zhengqi**

(57) Abstract :

Enriched titanium hydrochloric acid extract residue is provided, for use as the feed stock in the preparation of titanium pigment by sulfuric acid process. The present invention belongs to the field of the preparation of titanium pigment and particularly, relates to the enriched titanium hydrochloric acid extract residue prepared from ilmenite by hydrochloric acid leaching, its use and the method of preparing titanium pigment. The method for preparing titanium pigment using the enriched titanium hydrochloric acid extract residue can effectively utilize the fine ilmenite in Panxi area (the utilization rate is almost 100%), obtain the titanium sulfate solution with an ultralow ratio of iron to titanium dioxide (Fe/TiO<sub>2</sub>) and double the throughput of digesting equipment. Said method can simultaneously spare two steps of iron removal by freezing and titanium sulfate solution concentration with much energy consumption, reduce the times of washing with metatitanic acid, thereby, both of the discharge of acid waste water and the production of FeSO<sub>4</sub> are reduced. Said method provides a feed stock selection for preparing titanium pigment by sulfuric acid process.

No. of Pages : 29 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2030/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : A METHOD AND ARRANGEMENTS FOR APPLICATION SCOPE MANAGEMENT•

(51) International classification	:H04L 29/08
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/SE2009/051094
Filing Date	:01/10/2009
(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 :**  
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Address of Applicant :SE-164 83 Stockholm Sweden  
(72)**Name of Inventor :**  
**1)BERGKVIST Adam**  
**2)BRODIN Per-Erik**

(57) Abstract :

An Application Scope Platform and a method for enabling communication between a Web Application which is adapted to run on a first Processor of a User Device and which is being accessible via a Web Client of the User Device and an Application Scope which is executable on the Application Scope Platform. The Application Scope Platform comprises a Process Manager adapted to create and manage an event triggered Application Scope a Web Server and a Communication Interface adapted to enable the Web Application to communicate with the Application Scope Platform via said Web Client. The Application Scope Platform being adapted to run on a second Processor and to communicate with the Web Application which is an Application Scope enabled Web Application irrespective of the state of the Processor the Web Client and/or said Web Application.

No. of Pages : 35 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2031/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR CHARACTERIZING THE COMBUSTION IN LINES OF PARTITIONS OF A FURNACE HAVING ROTARY FIRING CHAMBER(S)•

(51) International classification :F27D 19/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/FR2009/051682  
Filing Date :07/09/2009  
(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

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(72)Name of Inventor :  
**1)FIOT Nicolas**  
**2)MAHIEU Pierre**

(57) Abstract :

The invention relates to a method including a series of tests consisting of totally stopping the injection of fuel one line of partitions (6) after the other without any activity on the lines of partitions (6) other than that of the test calculating the variation between the measurements of an image parameter of the total content of unburnt material in the combustion gases before and after totally stopping the injection in each tested line of partitions (6) and identifying any line of partitions (6) as having incomplete combustion if said variation is greater than x% of the initial value of said image parameter at the start of the corresponding test x% preferably being between 5% and 10%.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2032/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR PREPARING 4-PENTENOIC ACID•

(51) International classification	:C07C 51/235
(31) Priority Document No	:09168353.2
(32) Priority Date	:21/08/2009
(33) Name of priority country	:EPO
(86) Internatinal Application No	:PCT/EP2010/062098
Filing Date	:19/08/2010
(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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Address of Applicant :67056 Ludwigshafen Germany

(72)Name of Inventor :

**1)TELES JOAQUIM HENRIQUE**

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**3)GUMLICH KAI**

**4)CHABANAS MATHIEU**

**5)MULLER CHRISTIAN**

**6)MEIER ANTON**

(57) Abstract :

The present invention relates to a process for preparing 4-pentenoic acid at least comprising the oxidation of a mixture (G) comprising 4-pentenal 3-methyl-2-butanone and cyclopentene oxide and to the use of a mixture (G) comprising 4-pentenal 3-methyl-d-butanone and cyclopentene oxide for preparing 4-pentenoic acid. In the context of the present invention the mixture (G) is preferably obtained as a by-product of the oxidation of cyclopentene to cyclopentanone by means of dinitrogen monoxide.

No. of Pages : 43 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2033/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : OIL SANDS EXTRACTION•

(51) International classification :C10G 1/00  
(31) Priority Document No :61/272,100  
(32) Priority Date :17/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/002040  
Filing Dat :17/08/2010  
(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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(72)**Name of Inventor :**  
**1)FILBY JOHN**  
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**3)TANNENBAUM ELI**

(57) Abstract :

A process for the separation of high purity organic fractions from oil sands is disclosed.

No. of Pages : 37 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2034/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : CONDUCTING POLYMER COMPOSITE STRUCTURE PROCESS FOR PRODUCTION OF THE CONDUCTING POLYMER COMPOSITE STRUCTURE AND ACTUATOR ELEMENT

(51) International classification :B32B7/02  
(31) Priority Document No :2009-185087  
(32) Priority Date :07/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/063310  
Filing Date :05/08/2010  
(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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(72)**Name of Inventor :**  
**1)SATO Yuichi**  
**2)TANAKA Noboru**

(57) Abstract :

Provided are: a conducting polymer composite structure which does not require any separator between electrodes can be reduced in size can be produced at reduced cost and with improved workability and has excellent impact resistance; a process for producing the conducting polymer composite structure; and an actuator element using the conducting polymer composite structure. The conducting polymer composite structure includes at least one conducting polymer layer and is a structure in which a surface layer of the conducting polymer layer is an insulating layer.

No. of Pages : 73 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2035/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : LUBRICATING COMPOSITONS

(51) International classification :C10M 169/04

(31) Priority Document No :09252138.4

(32) Priority Date :07/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/063082

Filing Date :07/09/2010

(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)TREDGET Cara Siobhan**

(57) Abstract :

A lubricating composition comprising: (i) from 50% to 99% by weight of base oil; (ii) from 0.0 1% to 5% by weight of ionic liquid; and (iii) from 0.01% to 10% by weight of additive; wherein the lubricating composition has a pour point of at most -540C a flashpoint of at least 2460C and a kinematic viscosity at 1000C in the range of from 4.9 to 5.4 mm<sup>2</sup>/s. The lubricating compositions according to the present invention are suitable for use in turbine engine oils and are useful for reducing the build up of sludge and for reducing coking in the lubricating composition.

No. of Pages : 33 No. of Claims : 11



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2036/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF ULTRAPURE GALACTO-OLIGOSACCHARIDES

(51) International classification :C12P 19/04  
(31) Priority Document No :FI2009A000182  
(32) Priority Date :07/08/2009  
(33) Name of priority country :Italy  
(86) International Application No :PCT/IB2010/053567  
Filing Date :06/08/2010  
(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)MANONI Marco**  
**3)CIPOLLETTI Giovanni**  
**4)BIAGIOLINI Silvia**  
**5)VAGNOLI Luana**  
**6)CHINI Jacopo**

(57) Abstract :

The present invention describes a process for preparing ultrapure (= 95%) galacto-oligosaccharides (GOS) starting from GOS at lower purities by using sequential microbiological purifications involving *Saccharomyces cerevisiae* and *Streptococcus thermophilus*

No. of Pages : 32 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2037/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND DEVICE FOR ALLOCATING CHANNELS METHOD FOR ALLOCATING BASE STATION AVAILABLE RESOURCES

(51) International classification	:H04W 72/04	(71)Name of Applicant :
(31) Priority Document No	:200910093461.7	<b>1)ZTE CORPORATION</b>
(32) Priority Date	:24/09/2009	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/CN2010/073438	(72)Name of Inventor :
Filing Date	:01/06/2010	<b>1)He HUANG</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 discloses a method and a device for allocating channels and a method for allocating available resources of a base station so as to address the problem of waste of available resources of the base station due to inability to allocate reasonably the available resources on the base station. The method and device allocate resources to cells under the base station based on the minimum amount of resources required by the cells and allocates the remaining resources to each cell based on throughput of the cell such that the available resources of the base station can be allocated more reasonably thereby improving the utilization ratio of resources.

No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2038/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO LASER SCANNING SYSTEMS

(51) International classification :A61B 3/12  
(31) Priority Document No :0913911.4  
(32) Priority Date :10/08/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/051247  
Filing Date :29/07/2010  
(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

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**1)AZEGRUZ Hind**

(57) Abstract :

The invention provides a method of reducing jitter error in a laser scanning system (1) adapted to produce a scanned image comprising a number of lines of an object (18). The method comprising the steps of providing a reference object (22) arranged such that the scanned image produced by the laser scanning system (1) includes a reference image (24) of the reference object (22); processing the reference image (24) to calculate an error arising from non-repeatable displacement of the lines of the reference image (24); and adjusting at least one operating parameter of the laser scanning system (1) in response to the calculated error.

No. of Pages : 54 No. of Claims : 65

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : REAR VISION VIDEO CAMERA AND DISPLAY SCREEN SYSTEM FOR A VEHICLE

(51) International classification :B60R 11/04  
(31) Priority Document No :2009903669  
(32) Priority Date :06/08/2009  
(33) Name of priority country :Australia  
(86) International Application No :PCT/AU2010/000648  
Filing Date :27/05/2010  
(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

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(72)Name of Inventor :

**1)Said Youssef STEPHAN**

(57) Abstract :

A rear vision video camera and display screen system for a motor vehicle (10) has externally mounted left and right side view video cameras (24, 26) for viewing regions to the side of the vehicle, and a rear view video camera (22) mounted at the rear of the vehicle for viewing a region behind the vehicle. The system also includes a monitor display screen (12) located on a dashboard of the vehicle for viewing by a driver of the vehicle. The display screen (12) receives and displays views of each of the regions taken by the video cameras. The rear view video camera (22) is controlled by a swivel mechanism which moves the camera to a first position when the driver shifts into reverse gear. The first position allows the camera (22) to observe the region immediately behind the vehicle. The swivel mechanism also moves the camera (22) to a second position when the driver engages a gear for forward motion, whereby a wider field of view is observable at the rear of the vehicle.

No. of Pages : 25 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2041/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING SWITCHING BETWEEN RESOURCES AND/OR COMMUNICATING RESOURCE CHANGE INFORMATION IN A WIRELESS COMMUNICATIONS SYSTEM

(51) International classification :H04W 72/04

(31) Priority Document No :12/561,953

(32) Priority Date :17/09/2009

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

(86) International Application No :PCT/US2010/049936

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 :

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**2)WU Xinzhou**

**3)LI Junyi**

(57) Abstract :

Methods and apparatus for controlling switching between resources and/or communicating resource change information in a wireless communications system are described. Various methods and apparatus are well suited for use in a decentralized wireless communications network such as a decentralized peer to peer wireless network where an individual communications device self allocates resources and makes resource switching decisions. A first communications device may decide that there is a need to switch from the first communications resource corresponding to a first identifier to a second communications resource corresponding to a second identifier e.g. because of interference. The first communications device generates and transmits a broadcast change signal indicating a change from the first communications resource associated with the first identifier to a second communications resource associated with the second identifier. In some embodiments the resource change signal is transmitted on at least one of the first and second communications resources.

No. of Pages : 49 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHODS FOR MULTIPLEXING CONTROL AND DATA CHANNELS IN A MULTIPLE INPUT MULTIPLE OUTPUT(MIMO) COMMUNICATION SYSTEM

(51) International classification :H04B 7/02  
(31) Priority Document No :61/293,985  
(32) Priority Date :11/01/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CN2010/076662  
Filing Date :07/09/2010  
(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)XIAO Weimin**  
**3)JIN Ying**

(57) Abstract :

Methods for multiplexing control and data channels in a multiple input multiple output (MIMO) communication system are provided in the present invention A method for transmitting control symbols and data symbols on the multiple MIMO layers includes selecting a first set of codewords from Ncw codewords distributing the control symbols onto a first set of layers placing the data symbols of the first set of codewords onto the first set of layers placing the data symbols of the remaining (Ncw - Ncw1) codewords to the remaining layers if Ncw > Ncw1 and transmitting the multiple MIMO layers. The first set of codewords is associated with the first set of layers among the multiple MIMO layers. ....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2044/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : ENHANCED N-HALAMINE BASED WATER TREATMENT METHOD AND DEVICE

(51) International classification :C02F 1/76  
(31) Priority Document No :61/232,329  
(32) Priority Date :07/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/044893  
Filing Date :09/08/2010  
(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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**3)CARVER Steven**

(57) Abstract :

A gravity-fed water treatment system is described that purifies water by inactivating bacteria protozoa and viruses. In this system water is first filtered to remove bacteria and protozoa. This can be accomplished by multiple means such as ceramic filters containing activated carbon. The filtered water then flows into a purification cartridge housing a purification media such as the compounds or polymers containing N halamine described by Worley et al. and Bridges et al. This same purification cartridge also houses an adsorptive media that reduces any residual halogen concentrations in the treated water. The contact quality in the purification media chamber is such that the viral particles are saturated with halogens becoming irreversibly inactivated.

No. of Pages : 31 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2045/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVEMENTS IN EMISSION CONTROL

(51) International classification	:F01N 3/08
(31) Priority Document No	:0915326.3
(32) Priority Date	:03/09/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/IB2010/002598
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

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(72)**Name of Inventor :**

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**2)MORGAN Christopher Gough**

**3)HOWARD Michael**

(57) Abstract :

Hydrocarbon traps used to trap then release unburned hydrocarbons upon startup of a spark ignition internal combustion engine are sensitive to degradation if exposed to normal temperature exhaust gases. On board diagnostics of HC traps are provided by the invention by incorporating a heat sensitive oxygen storage material in the IIC trap material and using conventional determination of OSC efficiency to determine if the HC trap material has been exposed to excessive temperature.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2046/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : REVERSE CURRENT SENSOR

(51) International classification :H02J 1/10  
(31) Priority Document No :09167379.8  
(32) Priority Date :06/08/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/060761  
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

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**1)HACKENBERG Gerd**

(57) Abstract :

In a photovoltaic system (1) comprising a plurality of strings (5) which each comprise a plurality of photovoltaic modules (4) exclusively connected in series bus lines (8 9) to which the strings (5) are connected in parallel and a converter (12) for feeding electric energy from the bus lines (8 9) into a power grid (2) wherein the system voltage dropping between the bus lines (8 9) can be adjusted by means of a controller (11) of the converter (12) a current sensor (10) is provided for each string (5) which at least determines whether a reverse current flows to the string (5) and which reports to the controller (11) of the converter (12) whether a reverse current flows to the string (5) and the controller (11) of the converter (12) reduces the system voltage present between the bus lines (8 9) to stop the reverse current.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2047/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : REMOTE PHONE MANAGER

(51) International classification :H04Q 9/00  
(31) Priority Document No :61/239,899  
(32) Priority Date :04/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/048001  
Filing Date :07/09/2010  
(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)BRUNOLLI Michael J.**

(57) Abstract :

According to certain aspects, the invention allows a person to manage some of the functions of a cell phone without having to actually have the phone in her hands. For example, the invention allows the user to know of the incoming call and further allows the user to send a user-specified message to the caller and/or otherwise manage how the call should be handled through a remote device. In certain embodiments, the invention is comprised of: a decorative watch-like or bracelet-like case; a decorative wrist band; a vibrating incoming call indicator; a partial or full face display; touch screen input capability, accelerometer for wrist flick input capability, and/or side buttons for user inputs; a Bluetooth antenna; a Bluetooth transmitter and receiver; a rechargeable battery; a connector or wireless charging element; a display/general purpose control unit with firmware; and standard Bluetooth link and application software on an associated cellular phone.

No. of Pages : 37 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2048/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : A METHOD FOR RENDERING A MUSIC SIGNAL COMPATIBLE WITH A DISCONTINUOUS TRANSMISSION CODEC; AND A DEVICE FOR IMPLEMENTING THAT METHOD

(51) International classification :G10L 19/14  
(31) Priority Document No :0955963  
(32) Priority Date :02/09/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/EP2010/060455  
Filing Date :20/07/2010  
(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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(72)**Name of Inventor :**  
**1)GRAND Jean-Yves**

(57) Abstract :

This method for rendering a music signal compatible with a discontinuous transmission codec comprises the steps of: - detecting a period of silence within an initial music signal (SI) - producing an auxiliary audio signal (SA) whose amplitude is less than that of the initial signal outside of the period of silence but sufficient to not be detectable as silence by a discontinuous transmission codec - and replacing the initial music signal (SI) with the auxiliary signal (SA) during the period of silence.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2049/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : DEVICE FOR TRANSFERRING A BAND-SHAPED WEFT MATERIAL

(51) International classification :D03D 47/12  
(31) Priority Document No :10 2009 036 589.3  
(32) Priority Date :07/08/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/DE2010/000776  
Filing Date :06/07/2010  
(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

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**1)LAUKAMP Thomas**  
**2)MLLER Herbert**

(57) Abstract :

A device (1) for transferring a preferably band-shaped weft material (6) from a feed unit to an insertion element (4) of a weaving machine comprises a clamping device (5) for clamping a free end (E) of the weft material (6). The clamping device (6) is conveyable essentially in the direction (BR) of motion of the insertion element (4) between at least two different operating positions. The device (1) includes a drive (8) for conveying the clamping device (5). In a method for transferring a preferably band-shaped weft material (6) from a bobbin or a feed unit to an insertion element (4) of a weaving machine a free end (E) of the weft material (6) is clamped in a clamping device (5) the free end (E) is transferred to the insertion element (4) and then the clamping device (5) is opened and the weft material is inserted.

No. of Pages : 36 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2050/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : HYPERBRANCHED POLYMERIC DISPERSANTS AND NON-AQUEOUS PIGMENT DISPERSIONS

(51) International classification :C08G 18/10  
(31) Priority Document No :09169812.6  
(32) Priority Date :09/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/063145  
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

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**2)BERNAERTS Katrien**

(57) Abstract :

A polymeric dispersant having a hyperbranched polyurethane architecture obtained by reacting a polyisocyanate core with a mixture of a) 40 to 65 mol% of an anchor represented by Formula (I) and/or (II): Formula (I) Formula (II) wherein n represents an integer selected from 0 to 7; and X and Y each independently represent a primary amine group or a hydroxyl group; b) 5 to 25 mol% of a polypropylene oxide crosslinker; c) 15 to 40 mol% of a polypropylene oxide graft; and wherein the amount of the crosslinker and the graft taken together is at least 35 mol%.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2051/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : WIND POWER PLANT HAVING AN ADJUSTABLE POWER RESERVE

(51) International classification :F03D 7/02  
(31) Priority Document No :10 2009 037 239.3  
(32) Priority Date :12/08/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/004931  
Filing Date :12/08/2010  
(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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(72)**Name of Inventor :**  
**1)KRGER Thomas**

(57) Abstract :

The invention relates to a wind power plant comprising a generator driven by a rotor in order to generate electrical power and a control means that comprises a pitch module for adjusting a pitch angle of blades of the rotor (2) and wherein the control means has an input for a required power reserve and determines a target pitch angle depending on an operating point of the wind power plant. The invention further relates to a secondary pitch controller which comprises a detector (43) for available power and a dynamic offset module (44) wherein input signals for the available reserve power determined by the detector the required reserve power and the generated electrical power are applied to the dynamic offset module which is designed to determine a value for a pitch angle offset.

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2052/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : THIN NANO STRUCTURED LAYERS WITH HIGH CATALYTIC ACTIVITY ON NICKEL OR NICKEL ALLOY SURFACES AND PROCESS FOR THEIR PREPARATION

(51) International classification :B01J 21/08  
(31) Priority Document No :TO2009A000626  
(32) Priority Date :07/08/2009  
(33) Name of priority country :Italy  
(86) International Application No :PCT/IB2010/053585  
Filing Date :09/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)ENESPARK S.r.l.**  
Address of Applicant :Via Martiri d'Italia 26 I-10014  
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(72)**Name of Inventor :**  
**1)MARINI Paolo (deceased)**  
**2)CELANI Francesco**  
**3)NAKAMURA Misa**  
**4)DI STEFANO Vittorio**

(57) Abstract :

Thin nanostructured layers on surfaces of nickel or its alloys for quickly achieving high hydrogen absorption values ( $H/Ni = 0.7$ ) through direct metal/gas contact. The said layers are produced by a process comprising the step of oxidising the said surfaces applying a film of aqueous silica sol to them subsequent heating in an oxidising atmosphere and final activation through reduction in a reducing atmosphere.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2053/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : INDAZOLES AS WNT/B-CATENIN SIGNALING PATHWAY INHIBITORS AND THERAPEUTIC USES THEREOF

(51) International classification	:A01N 43/52	(71)Name of Applicant :	
(31) Priority Document No	:61/232,603	<b>1)EPITHERIX LLC</b>	
(32) Priority Date	:10/08/2009	Address of Applicant :10225 Barnes Canyon Rd STE A104	
(33) Name of priority country	:U.S.A.	San Diego California-92121 USA	
(86) International Application No	:PCT/US2010/044865	(72)Name of Inventor :	
Filing Date	:09/08/2010	<b>1)HOOD John</b>	
(87) International Publication No	: NA	<b>2)KC Sunil Kumar</b>	
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

Described herein are methods of treating a disorder or disease in which aberrant Wnt signaling is implicated with a variety of compounds including Wnt inhibitor compounds. More particularly it concerns the use of an indazole compound or analogs thereof in the treatment of disorders characterized by the activation of Wnt pathway signaling (e.g. cancer abnormal cellular proliferation angiogenesis Alzheimers disease and osteoarthritis) the modulation of cellular events mediated by Wnt pathway signaling as well as genetic diseases due to mutations in Wnt signaling components.

No. of Pages : 120 No. of Claims : 21



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2055/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : INVENTORY MONITORING AND VERIFICATION SYSTEM

(51) International classification :G06K17/00

(31) Priority Document No :12/563,986

(32) Priority Date :21/09/2009

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

(86) International Application No :PCT/US2010/049713

Filing Date :21/09/2010

(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)CAREFUSION 303 INC.**

Address of Applicant :3750 Torrey View Court San Diego  
CA 92130 U.S.A.

(72)**Name of Inventor :**

**1)Graham ROSS**

(57) Abstract :

Methods and systems for monitoring the inventory of products in a storage device that has an antenna are provided wherein each product has corresponding wireless tag having a unique wireless tag identification. The inventory monitoring includes accessing an inventory list containing at least one wireless tag identification sending a specific query via antenna for each of the wireless tag identifications in inventory list to corresponding wireless tag verifying in case that a response is received from wireless tag corresponding to wireless tag identification that the product corresponding to wireless tag is present in storage device determining in case that a response is not received from the wireless tag corresponding to wireless tag identification that the product corresponding to wireless tag is not present in storage device and updating inventory list based on the products verified to be present and products determined to not be present in storage device.

No. of Pages : 35 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2056/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING A SOLAR PANEL OUTPUT•

(51) International classification :H02J 7/35

(31) Priority Document No :61/234,540

(32) Priority Date :17/08/2009

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

(86) International Application No :PCT/US2010/045737

Filing Date :17/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

**1)NAVSEMI INC.**

Address of Applicant :5205 Prospect Road #135-127 San Jose CA 95129 U.S.A.

(72)**Name of Inventor :**

**1)BABU JAIN**

(57) Abstract :

A control system includes a control module and one or more input sources. The control module is coupled to an output of the solar module in order to operate the solar panel so that an output of the solar panel is at a maximum power level. The control module is able to selectively decrease a current level of the solar panels output in response to a condition that is indicative of a temperature of the solar panel while maintaining the power output of the solar panel at or within a designated percentage of the maximum level. The input source is coupled to the control module to provide an input that is indicative of the temperature.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2057/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : VIDEO CAMERA SYSTEM•

(51) International classification :G08B 13/196

(31) Priority Document No :2009904188

(32) Priority Date :01/09/2009

(33) Name of priority country :Australia

(86) International Applicaton No :PCT/AU2010/001122

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)DEMAHER INDUSTRIAL CAMERAS PTY LIMITED**

Address of Applicant :Unit 9 10 Ferngrove Place Chester  
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(72)Name of Inventor :

**1)WRIGHT Dennis George Herbert**

**2)MAHER David John**

(57) Abstract :

A video camera and computer system for detecting events comprising: a processor in communication with a plurality of sensors and a camera over a communications network. The processor receives multiple data streams from the sensors analyses the received data streams to detect an event and sends a trigger to the camera to capture video footage when an event is detected. Upon an event or alert the processor: generates an event description associated with the detected event based on the data streams or the alert from the camera links the generated description with an identifier of the captured video footage associated with the event and stores the linked description and identifier to facilitate searching and retrieval of the captured video footage associated with the detected event.

No. of Pages : 30 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2058/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : SAMPLE COLLECTING DEVICE•

(51) International classification :A61B 5/151  
(31) Priority Document No :2009904231  
(32) Priority Date :04/09/2009  
(33) Name of priority country :Australia  
(86) International Application No :PCT/AU2010/001048  
Filing Date :16/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)ATOMO DIAGNOSTICS PTY LIMITED**

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(72)Name of Inventor :

**1)KELLY John Michael**

**2)SOKOLOV Richard**

**3)JOHNSON Ian Fredrick**

**4)HUESO MONIS Ernesto**

**5)SIU Eric**

(57) Abstract :

A sampling device for collecting a bodily fluid the device comprising a membrane penetration device including a membrane penetrating element for penetrating a membrane to release a bodily fluid and a collecting element adapted to take up the bodily fluid the collecting element being engaged with the membrane penetration device.

No. of Pages : 54 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2077/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : A TAMPER INDICATING OPTICAL SECURITY DEVICE

(51) International classification :B42D15/00

(31) Priority Document No :61/233,264

(32) Priority Date :12/08/2009

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

(86) International Application No :PCT/US2010/045318

Filing Date :12/08/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

**1)Visual Physics LLC**

Address of Applicant :1245 Old Alpharetta Road  
Alpharetta GA 30005 U.S.A.

(72)**Name of Inventor :**

**1)STEENBLIK Richard A.**

**2)HURT Mark J.**

**3)JORDAN Gregory R.**

**4)CAPE Samuel M.**

(57) Abstract :

A tamper indicating optical security device that operates to produce one or more synthetic images is provided. Any attempt to detach (e.g. forcibly remove) this device from an underlying base material will cause one or more layers of the security device to separate or delaminate rendering the device partially or totally inoperable. The inventive device is contemplated for use with among other things currency or banknotes secure documents such as bonds checks travelers checks identification cards lottery tickets passports postage stamps and stock certificates as well as non-secure documents such as stationery items and labels. The inventive device is also contemplated for use with consumer goods as well as bags or packaging used with consumer goods.

No. of Pages : 34 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2078/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR IMPLEMENTING THE LOCAL SWITCH OF THE LOCAL CALL

(51) International classification :H04L29/06  
(31) Priority Document No :200910167321.X  
(32) Priority Date :12/08/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2009/076089  
Filing Date :25/12/2009  
(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)ZTE CORPORATION**  
Address of Applicant :ZTE Plaza Keji Road South Hi-Tech  
Industrial Park Nanshan Shenzhen Guangdong 518057  
China  
(72)**Name of Inventor :**  
**1)Quanjun TAO**  
**2)Zhenhua XIE**  
**3)Jing LI**

(57) Abstract :

The present invention provides a method for implementing local call local switch, including: a calling side MSC receiving a call setup request from a calling user, the calling side MSC and a called side MSC mutually transferring the access information of the calling user and the called user; the calling side MSC or the called side MSC judging whether a local switch can be triggered according to the access information of the opposite end user; when judging that a local switch can be triggered, the calling side MSC or the called side MSC informing BSS to implement the local switch. The present invention further provides a system for implementing local call local switch, which includes a MSC and a BSS, to provide the support to implementing local call local switch. The method and system for implementing local call local switch provided in the present invention judge a local call through the MSC, and then inform the BSS to implement a local switch, and solve the problem of an unsuccessful local switch which is caused by BSS connecting with multiple MSCs.

No. of Pages : 37 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2079/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR INHERITING ATTRIBUTE OF FORWARDING ADJACENCY IN MULTILAYER NETWORK AND CORRESPONDING MULTILAYER NETWORK

(51) International classification :H04L12/56  
(31) Priority Document No :200910167307.X  
(32) Priority Date :13/08/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/072461  
Filing Date :05/05/2010  
(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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Industrial Park Nanshan Shenzhen Guangdong 518057 China  
(72)**Name of Inventor :**  
**1)Xuefeng LIN**

(57) Abstract :

The present invention provides a method for inheriting an attribute of a FA in a multilayer network which comprises: returning information of a first attribute of each link on a FA LSP in a path computation reply message to an upper layer head node and initiating connection setup; a head node on the FA LSP constructing the first attribute of this FA according to information of the first attribute of each link on the FA LSP included in a path message sent from a upstream node and storing the first attribute of this FA and sending information of the first attribute of this FA to a downstream node; and c) the tail node on the FA LSP obtaining information of the first attribute of this FA and storing the first attribute of this FA. The present invention also provides a multilayer network.

No. of Pages : 29 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2080/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PRICING AND ALLOCATING SECURITIES

(51) International classification :G06Q40/00  
(31) Priority Document No :2009903787  
(32) Priority Date :12/08/2009  
(33) Name of priority country :Australia  
(86) International Application No :PCT/AU2010/001027  
Filing Date :12/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)BUCKNELL TECHNOLOGIES PTY LTD**  
Address of Applicant :6/414 Edgecliff Road Woollahra  
New South Wales 2025 Australia  
(72)**Name of Inventor :**  
**1)Benjamin George Wentworth BUCKNELL**

(57) Abstract :

A method/system for pricing and allocating identified securities of a company on a registered securities exchange as opposed to an off-market offer. A host computer system receives bid data indicative of one or more bids for the identified securities from one or more eligible investors. Novel methods/algorithms are applied in a determination of at least one price of the identified securities and an allocation of the identified securities to the one or more eligible investors.

No. of Pages : 37 No. of Claims : 20



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2081/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHODS FOR ISOLATING ALKALOIDS FROM PLANTS

(51) International classification	:A61K36/00
(31) Priority Document No	:10 2009 040 381.7
(32) Priority Date	:07/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/005433
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 :**  
**1)KALLIMOPOULOS Thomas**  
Address of Applicant :Benckiserstrasse 47 67059  
Ludwigshafen Germany  
(72)**Name of Inventor :**  
**1)KALLIMOPOULOS Thomas**

(57) Abstract :

The present invention concerns methods for isolating alkaloids from biomaterial preferably plant biomaterial wherein the biomaterial is extracted with a vegetable oil in the concomitant presence of an alkaline aqueous phase.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2082/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : REGULATORY NUCLEIC ACID MOLECULES FOR ENHANCING SEED-SPECIFIC AND/OR SEED-PREFERENTIAL GENE EXPRESSION IN PLANTS•

(51) International classification	:C12N15/82	(71)Name of Applicant :
(31) Priority Document No	:61/238233	<b>1)BASF Plant Science Company GmbH</b>
(32) PriorityDate	:31/08/2009	Address of Applicant :67056 Ludwigshafen Germany
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/061661	<b>1)KUHN Josef Martin</b>
Filing Date	:11/08/2010	<b>2)LOYALL Linda Patricia</b>
(87) International Publication No	: NA	<b>3)SIEBERT Malte</b>
(61) Patent of Addition to Application Number	:NA	<b>4)DUWENIG Elke</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention is in the field of plant molecular biology and provides methods for production of high expressing seed-specific and/or seed-preferential promoters and the production of plants with enhanced seed-specific and/or seed-preferential expression of nucleic acids wherein nucleic acid expression enhancing nucleic acids (NEENAs) are functionally linked to said promoters and/or introduced into plants.

No. of Pages : 56 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2083/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : BIMETALLIC STATIC GASKET AND METHOD OF CONSTRUCTION THEREOF

(51) International classification :F16J15/08  
(31) Priority Document No :61/233,003  
(32) Priority Date :11/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/045127  
Filing Date :11/08/2010  
(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 :

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**2)SCHENTEN Carl**

**3)BOWMAN Mark**

**4)SAS John**

**5)SANTIAGO Carlos**

**6)PREHN Rolf**

**7)OKEEFE Tim**

**8)SHIRILLA Michael**

**9)ZURFLUTH Thomas O.**

**10)ROBERTS Kyle T**

(57) Abstract :

A static gasket and method of construction thereof is provided. The gasket includes a functional layer constructed of one type of metal having an opening bounded by an inner periphery an outer periphery. The gasket thither includes a carrier layer constructed of a different metal than the functional layer. The carrier layer has an opening bounded by an inner periphery configured to receive the outer periphery of the functional layer in a line-to-line or loose fit. The functional layer is configured in substantially coplanar relation with the carrier layer with a first portion of the outer periphery of the functional layer being welded to a radially aligned first portion of the inner periphery of the carrier layer. A second portion of the outer periphery of the functional layer remains detached from a radially aligned second portion of the inner periphery of the carrier layer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2084/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : DEFLECTED BEARING SHIELD AS A BEARING SEAL FOR A PULLEY ASSEMBLY AND METHOD OF ASSEMBLY

(51) International classification :F16C33/76  
(31) Priority Document No :12/539,104  
(32) Priority Date :11/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/044943  
Filing Date :10/08/2010  
(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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Address of Applicant :4500 South Garnett Road Suite 500  
Tulsa Oklahoma 74146 USA  
(72)**Name of Inventor :**  
**1)LANNUTTI Anthony E.**  
**2)CRIST Robert J.**  
**3)LEIS Matthew J.**

(57) Abstract :

Disclosed is a pulley assembly including a pulley having an axis of rotation a pulley shell and a bearing; a shaft having a pulley-receiving end that receives the pulley; and a first bearing shield disposed at the pulley-receiving end of the shaft. The pulley shell includes an annular wall that defines an opening for housing the bearing. The bearing is housed therein and has an inner race outer race and a rolling element. The first bearing shield includes a deflected sealing member biases against at least one of the outer race of the bearing and the pulley shell as a first contact seal to protect the bearing from contaminants.

No. of Pages : 27 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2085/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : MODULAR RECLINE MECHANISM AND SIDEMEMBER FOR ROTARY RECLINER

(51) International classification :B60N2/30  
(31) Priority Document No :61/233,330  
(32) Priority Date :12/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/045335  
Filing Date :12/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)JOHNSON CONTROLS TECHNOLOGY COMPANY**  
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Michigan 49423 USA  
(72)**Name of Inventor :**  
**1)HIEMSTRA Bruce A.**  
**2)KAPUSKY Michael J.**

(57) Abstract :

The adjustment device also known as a recline mechanism includes a sidemember that attaches to a vehicle seat having a uniform mounting surface allowing the attachment of a five-door as well as a three-door recline mechanism with a modular mounting plate without the need to have additional recline mechanisms.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : INDAZOLE INHIBITORS OF THE WNT SIGNAL PATHWAY AND THERAPEUTIC USES THEREOF

(51) International classification	:A01N43/56	(71)Name of Applicant :	
(31) Priority Document No	:61/232,603	<b>1)EPITHERIX LLC</b>	
(32) Priority Date	:10/08/2009	Address of Applicant :10225 Barnes Canyon Rd STE A104	
(33) Name of priority country	:U.S.A.	San Diego California-92121 USA	
(86) International Application No	:PCT/US2010/044872	(72)Name of Inventor :	
Filing Date	:09/08/2010	<b>1)HOOD John</b>	
(87) International Publication No	: NA	<b>2)WALLACE David Mark</b>	
(61) Patent of Addition to Application Number	:NA	<b>3)KC Sunil Kumar</b>	
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

Indazole compounds for treating various diseases and pathologies are disclosed. More particularly the present invention concerns the use of an indazole compound or analogs thereof in the treatment of disorders characterized by the activation of Wnt pathway signaling (e.g. cancer abnormal cellular proliferation angiogenesis Alzheimers disease and osteoarthritis) the modulation of cellular events mediated by Wnt pathway signaling as well as genetic diseases due to mutations in Wnt signaling components. Also provided are methods for treating Wnt-related disease states.

No. of Pages : 65 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2087/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMMUNICATION APPARATUS AND COMMUNICATION METHOD

(51) International classification :H04 1/59  
(31) Priority Document No :2010-155248  
(32) Priority Date :07/07/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/003479  
Filing Date :17/06/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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**1)YAMAOKA Masaru**  
**2)MATSUMOTO Michihiro**  
**3)OHTSUBO Shohji**  
**4)NONAKA Masao**  
**5)OSHIMA Mitsuaki**

(57) Abstract :

A terminal apparatus (M101) includes a terminal unit (M201) and a near-field communication unit (M107). The terminal unit (M201) includes a main memory (M106) that stores operation history information of the terminal apparatus (M101) and a controller (M105). The near-field communication unit (M107) includes a communication control unit (M216) that performs near-field communication with the mobile apparatus (M102) and a near-field communication memory (M215). The controller (M105) stores, in the near-field communication memory (M215), at least a part of the operation history information stored in the main memory (M106) when a malfunction of the terminal unit (M201) is detected, and the communication control unit (M216) transmits the operation history information stored in the near-field communication memory (M215) by near-field communication to the mobile apparatus (M102), in accordance with a request from the mobile apparatus (M102).

No. of Pages : 86 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : DRIVE MECHANISM FOR A MEDICATION DELIVERY DEVICE AND MEDICATION DELIVERY DEVICE

(51) International classification	:A61M5/315
(31) Priority Document No	:09011420.8
(32) Priority Date	:07/09/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/062924
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 :

**1)Sanofi-Aventis Deutschland GmbH**

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Frankfurt am Main Germany

(72)Name of Inventor :

**1)RAAB Steffen**

**2)ARNHOLD Sandra**

(57) Abstract :

A piston rod (7) is arranged in a body and provided with a helical element (13) and an axial element (18). A guide element which is arranged in the body and fixed relatively to the body is coupled to the helical element to guide a helical movement of the piston rod and coupled to the axial element to guide an axial movement of the piston rod. The axial movement allows a priming of the device preceding the helical movement of the piston rod.

No. of Pages : 29 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : DETERGENT COMPOSITION

(51) International classification	:C12N9/54	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0915572.2	<b>1)Reckitt Benckiser N.V.</b>
(32) Priority Date	:07/09/2009	Address of Applicant :Siriusdreef 14 2132 WT Hoofddorp
(33) Name of priority country	:U.K.	The Netherlands
(86) International Application No	:PCT/GB2010/051472	(72) <b>Name of Inventor :</b>
Filing Date	:06/09/2010	<b>1)KRUBASIK Lucia</b>
(87) International Publication No	: NA	<b>2)PFLUG Jrg</b>
(61) Patent of Addition to Application Number	:NA	<b>3)LINGLER Steffen</b>
Filing Date	:NA	<b>4)DIERKES Frank</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A detergent composition comprising; a subtilisin variant having the amino acid sequence set forth in SEQ ID NO 1 and at least one additional ingredient selected from; i) bleaches selected from percarbonates persulphates and organic peracids ii) aminocarboxylates or iii) sulphonated polymers or iv) organophosphoric acids or salts thereof and mixtures thereof is provided. Also provided is a detergent composition comprising a subtilisin variant having the amino acid sequence set forth in SEQ ID NO 1 wherein the detergent composition is at least partially enveloped in a water soluble or water dispersible package. The compositions exhibit good performance on proteinaceous stains even when formulated at alkaline pHs. A method of removing proteinaceous stains from surfaces comprising such stains is also provided.

No. of Pages : 44 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2090/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : ES-MS OF GLYCOPEPTIDES FOR ANALYSIS OF GLYCOSYLATION

(51) International classification :G01N33/50

(31) Priority Document No :09169616.1

(32) Priority Date :07/09/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/005437

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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Basel Switzerland

(72)Name of Inventor :

**1)HABERGER Markus**

**2)REUSCH Dietmar**

**3)SELMAN Maurice**

**4)WUHRER Manfred**

(57) Abstract :

Herein is reported a method for the determination of the glycosylation of an immunoglobulin with electrospray mass spectrometry but without the need for a chromatographic purification step after the digestion of the immunoglobulin and prior to the mass spectrometry analysis.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2091/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/03/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR OVER THE AIR LOAD INDICATOR FOR WIRELESS SCHEDULING

(51) International classification :H04W52/24

(31) Priority Document No :61/242,736

(32) Priority Date :15/09/2009

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

(86) International Application No :PCT/US2010/048982

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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U.S.A.

(72)Name of Inventor :

**1)DAMNJANOVIC Aleksandar**

**2)VAJAPEYAM Madhavan Srinivasan**

(57) Abstract :

Systems and methods for facilitating inter-cell interference coordination using load indication are described. A UE may receive load indicator signals from a plurality of base stations in adjacent cells and determine based at least in part on the load indicator signals a transmit power metric. The transmit power metric may be provided to a serving base station which may allocate uplink resources based on the transmit power metric. Additional information related to receiver sensitivity and/or path loss may be used to determine the transmit power metric.

No. of Pages : 67 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2092/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : ROTARY RECLINER

(51) International classification :B60N2/235

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/US2009/053559

Filing Date :12/08/2009

(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)HIEMSTRA Bruce A.**

**2)BITTNER Michael R.**

**3)KIENKE Ingo**

**4)KAPUSKY Michael J.**

**5)ALBERT Kirubaharan**

(57) Abstract :

A recliner assembly for a vehicular seat of the type including a backrest hingedly connected to a seat base and capable of being reclined. The recliner assembly includes an outer gear and includes an internal teeth arranged circumferentially about an axis A. The assembly also includes an inner gear including at least one tooth engag - ing member selectively moveable into and out of engagement with the internal teeth of the outer gear. A retainer is attached to the outer gear in order to retain the inner gear from lateral movement along axis A. The retainer is configured for mounting to the outer gear and the inner gear is configured for mounting to at least one of a top plate and a base plate. The retainer, outer gear and inner gears can be formed from a fmeblanked steel material and simply welded together to improve recliner strength while reducing assembly costs.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2093/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : DEVICE AND METHOD FOR PRODUCING A THIN HOT-ROLLED STRIP

(51) International classification :B21B1/46  
(31) Priority Document No :10 2009 037 278.4  
(32) Priority Date :12/08/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/004913  
Filing Date :11/08/2010  
(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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(72)Name of Inventor :

**1)SEIDEL Jürgen**

**2)WINDHAUS Ernst**

**3)REIFFERSCHIED Markus**

**4)MÜLLER Jürgen**

(57) Abstract :

The invention relates to an apparatus for making a thin hot strip (1) by roll casting in a continuous process, comprising a casting machine (2) in which first a thin slab (3) is cast, at least one rolling train (4, 5) downstream of the casting machine (2) and in which the thin slab (3) is rolled using the primary heat of the casting process, and a plurality of finish-rolling stands (7) that, relative to a travel direction (F) of the strip (1), are arranged in a downstream region (6) and that can roll the strip (1) with work rolls (8) to a final thickness. To improve the manufacture of a thin hot strip in the continuous process, the invention provides that the work rolls (8) of the finish-rolling stands (7) have a low-wear roll surface. Furthermore, the invention relates to a method of making a thin hot strip (1) by roll casting in a continuous process.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2094/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR PRODUCING ALUMINUM TITANATE-BASED CERMICS AND ALUMINUM TITANATE-BASED CERAMICS

(51) International classification	:C04B 35/46
(31) Priority Document No	:2009-0187145
(32) Priority Date	:12/08/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/063798
Filing Date	:10/08/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)SUMITOMO CHEMICAL COMPANY LIMITED**

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Tokyo 104-8260 Japan

(72)Name of Inventor :

**1)IWASAKI Kentaro**

**2)TOHMA Tetsuro**

**3)UOE Kousuke**

(57) Abstract :

The present invention is a process for producing an aluminum titanate ceramics comprising firing a starting material mixture containing a titanium source powder and an aluminum source powder wherein a content of niobium expressed on the oxide basis is not less than 0.2 parts by mass and not more than 2.5 parts by mass in 100 parts by mass of the starting material mixture.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2095/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : HIGH FREQUENCY COOKING APPARATUS

(51) International classification	:H05B6/68	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-185930	<b>1)SHARP KABUSHIKI KAISHA</b>
(32) Priority Date	:10/08/2009	Address of Applicant :22-22 Nagaike-cho Abeno-ku
(33) Name of priority country	:Japan	Osaka-shi Osaka 545-8522 Japan
(86) International Application No	:PCT/JP2010/063365	(72) <b>Name of Inventor :</b>
Filing Date	:06/08/2010	<b>1)HIRANO Seiichi</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 :

It is expected to provide a high frequency cooking apparatus that can avoid performing on/off actions of relay just before the end of heating which do not contribute to heating and can delay the relay exchange timing. The high frequency cooking apparatus supplies electric power through a relay contact 57a to a high frequency generator 8 sets cyclic ON time and OFF time of the relay contact 57a based on set heating time and heating power and controls the heating power of the high frequency generator 8. The high frequency cooking apparatus includes a means (70) for determining whether the time corresponding to the last cycle in the heating time is more than the set ON time of the relay contact 57a and a means (70).

No. of Pages : 55 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : HEAT GENERATION INHIBITING CIRCUIT FOR EXCITING COIL IN RELAY

(51) International classification :H01H47/10  
(31) Priority Document No :2009-289678  
(32) Priority Date :21/12/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/073043  
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)YAZAKI CORPORATION**  
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Tokyo Japan  
(72)**Name of Inventor :**  
**1)OHSHIMA Shunzou**

(57) Abstract :

To provide a heat generation inhibiting circuit for a relay circuit which can reduce the heat generation amount of an exciting coil at the time of operating the relay circuit. A resistor (R1) is provided between an exciting coil (Xc) and the ground and a diode (D1) is provided between a point p1 and a point p2. An exciting current (Ia) flows on the ground side via the diode (D1) until a relay contact (Xa) is closed immediately after a switch (SW1) is turned on. Thus a voltage applied to the exciting coil becomes almost same as a power supply voltage (VB) the relay contact can be surely closed. Further when the relay contact (Xa) is closed

No. of Pages : 35 No. of Claims : 6



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2101/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : CORRELATION ID FOR LOCAL IP ACCESS

(51) International classification :H04L12/66  
(31) Priority Document No :61/257,436  
(32) Priority Date :02/11/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/KR2010/007518  
Filing Date :29/10/2010  
(87) International Publication No :WO 2011/053039 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)LG ELECTRONICS INC.**  
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YEONGDEUNGPO-GU, SEOUL 150-721 Republic of Korea  
(72)**Name of Inventor :**  
**1)STOJANOVSKI, SASO**  
**2)VEDRINE, ARNAUD**

(57) Abstract :

The invention relates to a home cellular base station (HeNB), comprising a radio interface (RI), to communicate with a user equipment (UE), a local interface (LI), to communicate with a local gateway (L-GW) providing access to a local IP network, a user plane interface (SI-U), to communicate with a serving gateway (SGW), and a control plane interface (SI-MME), to communicate with a control node (MME). The home cellular base station (HeNB) further comprises a selection module (SelMod) set to obtain a first correlation ED for enabling a direct user plane path between the home cellular base station (HeNB) and the local gateway (L-GW), the first correlation ED being obtained via the control plane interface (SI-MME) upon each establishment of a bearer providing access to the local IP network. The invention also relates to a control node (MME), to a home subscriber server (HSS), to a direct path enablement method, and to a PDN management method.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2115/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : ADAPTIVE CONTROL METHOD AND ADAPTIVE CONTROLLER FOR CONTROLLING ENERGY SUPPLIED TO A RESONANT TANK

(51) International classification :H02J5/00  
(31) Priority Document No :2003450  
(32) Priority Date :08/09/2009  
(33) Name of priority country :Netherlands  
(86) International Application No :PCT/NL2010/050570  
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)OPTIMOS APTO B.V.**  
Address of Applicant :Westplein 6 3016 BM Rotterdam  
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(72)Name of Inventor :  
**1)VAN DER PIJL Fredrik Frank Arie**  
**2)FERREIRA Johannes Abraham**  
**3)BAUER Paul**  
**4)CASTILLA Miguel**

(57) Abstract :

The invention relates to an adaptive controlling method for controlling energy supplied by an electrical source to a resonance tank that is connectable to an electric load. The method comprises the step of determining an energy amount to be supplied to the tank based on information of energy in the resonance tank.

No. of Pages : 25 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2116/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR THE PRODUCTION OF ELECTRICAL ENERGY FROM AMMONIUM•

(51) International classification :C02F1/28  
(31) Priority Document No :2003429  
(32) Priority Date :02/09/2009  
(33) Name of priority country :Netherlands  
(86) International Application No Filing Date :PCT/US2010/053389 :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)HEMMES Katrien**

**2)HOOIVELD Lambert**

(57) Abstract :

The invention provides a method for the production of electrical energy from an ammonium (NH<sub>4</sub><sup>+</sup>) containing aqueous liquid comprising (a) separating at least part of the ammonium as ammonium salt or concentrated ammonium salt comprising solution from the ammonium containing aqueous liquid (b) decomposing at least part of the ammonium salt or salt solution into an ammonia (NH<sub>3</sub>) comprising gas and one or more other decomposition products and (c) feeding at least part of the ammonia comprising gas to an fuel cell.

No. of Pages : 19 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2117/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHODS AND SYSTEMS FOR PURIFYING NON-COMPLEXED BOTULINUM NEUROTOXIN•

(51) International classification :C02F 1/28  
(31) Priority Document No :61/253,810  
(32) Priority Date :21/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/53389  
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)REVANCE THERAPEUTICS INC.**  
Address of Applicant :7555 Gateway Boulevard Newark  
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(72)**Name of Inventor :**  
**1)Curtis L. Ruegg**

(57) Abstract :

Methods and systems for chromatographically purifying a botulinum neurotoxin are provided. These methods and systems allow for efficient purification of a non-complexed form of the botulinum neurotoxin in high purity and yield that can be used as an active ingredient in pharmaceutical preparations.

No. of Pages : 35 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2118/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : CELLS AND METHODS FOR OBTAINING THEM•

(51) International classification :C12N 15/85

(31) Priority Document No :0915523.5

(32) Priority Date :07/09/2009

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

(86) Internationa Application No :PCT/GB2010/051493

Filing Date :07/09/2010

(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)LIU Pentao**

**2)WANG Wei**

**3)YANG Jiang**

(57) Abstract :

Reprogrammed somatic cells methods for reprogramming reprogramming factors for somatic cells and uses of such factors and cells are described. Nuclear reprogramming factors [NRF] described comprise one or more of a gene product or a polynucleic acid encoding a gene product from a retinoic acid receptor (RAR/RXR) family member or an agonist or antagonist thereof; a gene product from an Lrh1 family member; or an agonist thereof; retinoic acid or a gene product involved in synthesizing or metabolizing retinoic acid; or an agonist or antagonist thereof; or a gene product that is involved in transporting a retinoic acid family member.

No. of Pages : 107 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2119/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : SUPERVISION OF A COMMUNICATION SESSION COMPRISING SEVERAL FLOWS OVER A DATA NETWORK•

(51) International classification :H04L29/06

(31) Priority Document No :09 56161

(32) Priority Date :09/09/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051823

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 :

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(72)Name of Inventor :

**1)TOLLET Jr'me**

**2)ABELA Jr'me**

(57) Abstract :

The invention relates to a method for supervising a communication session over a data network, said session including a first data flow, referred to as the parent flow, using a first protocol, said parent flow including data suitable for setting up a second data flow, referred to as the child flow, using a second protocol for said session, which includes: searching (13) the parent flow for the data that enable the child flow to be set up; generating (15) and storing (17) a signature, referred to as a parent key, using said data; auditing (19) data flows using the second protocol on the data network; creating (21) a signature for each one of the flows; comparing (23) said signature of each one of the flows with the parent key; and, if the comparison is positive, determining (25) that the data flow in question is the child flow of the session.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PARTICULATE AIR FILTER WITH OZONE CATALYST AND METHODS OF MANUFACTURE AND USE

(51) International classification :B01D46/52

(31) Priority Document No :61/232,953

(32) Priority Date :11/08/2009

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

(86) International Application No :PCT/US2010/045108

Filing Date :11/08/2010

(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)BUELOW Mark**

**2)VOLLAND Martin**

(57) Abstract :

Methods and apparatus for destroying ozone in an air stream are provided. Specific embodiments comprise passing air through a particulate filter comprising a filter media folded into a plurality pleats and a plurality of separators where the separators and/or the filters media is coated with an ozone destruction catalyst.

No. of Pages : 14 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2121/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : AIR IONIZER ELECTRODE DRIVE CIRCUIT AND METHOD

(51) International classification	:B03C3/38
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/SG09/000278
Filing Date	:11/08/2009
(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)HSIA Jia-Bau**

(57) Abstract :

An air ionizer electrode drive circuit and method in which an AC high voltage of predetermined constant amplitude is output by a high voltage generator (16) for application to the ionizer electrodes. The level of ions produced is then controlled by the ion production time using a controller (12) that switches the voltage generator on and off in a repeating manner. The duty cycle i.e. on-off ratio at which the voltage generator operates then determines the average ion production rate. This method allows control of the ion production level from 0 to 100% of the range.

No. of Pages : 24 No. of Claims : 12



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2122/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING AND COMPENSATING FOR A CHANGE IN A DIFFERENTIAL ZERO OFFSET OF A VIBRATING FLOW METER

(51) International classification :G01F1/84

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/US2009/053538

Filing Date :12/08/2009

(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)MICRO MOTION INC.**

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Colorado 80301 USA

(72)Name of Inventor :

**1)HAYS Paul J.**

**2)WEINSTEIN Joel**

**3)ALVES Goldino**

(57) Abstract :

A method for operating a vibrating flow meter system is provided. The method includes the step of receiving a first sensor signal from a first vibrating flow meter. A second sensor signal is received from a second vibrating flow meter. A first flow rate is generated from the first sensor signal and a second flow rate is generated from the second sensor signal. The method further includes the step of determining a differential zero offset of the first vibrating flow meter based on the first and second flow rates.

No. of Pages : 45 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2123/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR INDUCING DIFFERENTIATION OF PLURIPOTENT STEM CELLS INTO NEURAL PRECURSOR CELLS

(51) International classification :C12N5/07  
(31) Priority Document No :61/272,055  
(32) Priority Date :12/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/JP2010/063953  
Filing Date :12/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)KYOTO UNIVERSITY**  
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Kyoto-shi Kyoto 606-8501 Japan  
(72)Name of Inventor :  
**1)TAKAHASHI Jun**  
**2)MORIZANE Asuka**

(57) Abstract :

The present invention provides a method for inducing differentiation of pluripotent stem cells into neural precursor cells comprising culturing the pluripotent stem cells in the presene of a small molecule BMP inhibitor and induced neural precursor cells prepared by this method.

No. of Pages : 49 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2124/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : SPARK PLUG INCLUDING ELECTRODES WITH LOW SWELLING RATE AND HIGH CORROSION RESISTANCE

(51) International classification :H01T13/20  
(31) Priority Document No :61/233,323  
(32) Priority Date :12/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/045294  
Filing Date :12/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)FEDERAL-MOGUL IGNITION COMPANY**  
Address of Applicant :26555 Northwestern Highway  
Southfield MI 48033 USA  
(72)**Name of Inventor :**  
**1)MA Shuwei**  
**2)LYKOWSKI James D.**

(57) Abstract :

A spark plug (20) includes a center electrode (24) and a ground electrode (22). The electrodes (22, 24) include a core (26) formed of a copper (Cu) alloy and a clad (28) formed of a nickel (Ni) alloy enrobing the core (26). The Cu alloy includes Cu in an amount of at least 98.5 weight percent, and at least one of Zr and Cr in an amount of at least 0.05 weight percent. The Cu alloy includes a matrix of the Cu and precipitates of the Zr and Cu dispersed in the Cu matrix. The Ni alloy of the clad (28) includes Ni in an amount of at least 90.0 weight percent. The Ni alloy also includes at least one of a Group 3 element, a Group 4 element, a Group 13 element, chromium (Cr), silicon (Si), and manganese (Mn) in a total amount sufficient to affect the strength of the Ni alloy.

No. of Pages : 25 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2125/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMAGE ELEMENT SEARCHING

(51) International classification :G06F17/30

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/US2009/053378

Filing Date :11/08/2009

(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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Address of Applicant :Liberation House Castle Street  
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(72)Name of Inventor :

**1)LACASSE Randy**

(57) Abstract :

A search platform that can search for and correlate elements in written and drawing portions of a document. The search engine can receive an indication of an element associated with a written portion of a document determine a location in a drawing portion of the document associated with the element and provide the determined location for display. Conversely the search engine can also receive an indication of an element associated with a drawing portion of a document determine a location in a written portion of the document associated with the element and provide the determined location for display. Elements can refer to any textual symbolic or coded phrase or graphical representation associated with a unique alphanumeric or symbolic identifier in a written or drawing portion of a document or documents.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR SELECTING WIRELESS COMMUNICATION SYSTEMS

(51) International classification :H04W48/18

(31) Priority Document No :61/244,814

(32) Priority Date :22/09/2009

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

(86) International Application No :PCT/US2010/049883

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)QUALCOMM Incorporated**

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(72)Name of Inventor :

**1)QI Wei**

**2)SWAMINATHAN Arvind**

**3)GANDHI Manasi D.**

**4)HUTCHISON James A. IV**

**5)SRIRAMBHATLA Kishore**

**6)SHAHIDI Reza**

(57) Abstract :

Methods and apparatuses are provided that facilitate avoiding one or more wireless communication systems based at least in part on determining a level of unreliability of a reverse link channel related to a system. This can be based at least in part on determining whether the system can be accessed over the reverse link channel. If not the wireless communication system can be avoided to conserve power utilized to perform such access attempts. Where the unreliability is temporary however some access attempts can be performed for systems of higher priority than a current system during the period of avoidance of one or more higher priority systems.

No. of Pages : 51 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR NOTIFYING BANDWIDTH INFORMATION METHOD FOR PROCESSING SERVICE NETWORK NODE AND COMMUNICATION SYSTEM

(51) International classification :H04W28/10  
(31) Priority Document No :200910172870.6  
(32) Priority Date :31/08/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/076044  
Filing Date :17/08/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)Huawei Technologies Co. Ltd.**  
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China.  
(72)**Name of Inventor :**  
**1)LONG Hao**

(57) Abstract :

The present invention relates to the field of communication technologies, and discloses a method for notifying bandwidth information, a method for processing a service, a network node, and a communication system. The method for notifying bandwidth information includes: obtaining current link bandwidth information of a microwave link; determining, according to a mapping relationship between link bandwidth information and service bandwidth information, corresponding to the current link bandwidth information, service bandwidth information that is allocated to a service connection on which the microwave link is located; and transmitting the allocated service bandwidth information to an endpoint of the service connection through the service connection, so that the endpoint of the service connection adjusts a service policy according to the allocated service bandwidth information. Through the present invention, an endpoint of a service connection on which a microwave link is located may obtain bandwidth information that is allocated to the service connection by the microwave link corresponding to current bandwidth information.

No. of Pages : 35 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2146/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PEST CONTROLLING COMPOSITION

(51) International classification :A01N43/22  
(31) Priority Document No :2009-186379  
(32) Priority Date :11/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/063339  
Filing Date :30/07/2010  
(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

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(72)**Name of Inventor :**  
**1)SHIMOKAWATOKO Yasutaka**  
**2)SAKAMOTO Emiko**  
**3)OZAWA Mayuko**

(57) Abstract :

A pest controlling composition comprising spinetoram and a cyclic keto-enol compound having an acetyl CoA carboxylase-inhibiting activity active ingredients

No. of Pages : 30 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2147/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : A BARRIER COATED THERMO-MECHANICALLY STABLE HEAT SEALABLE FILM A PACKAGING LAMINATE COMPRISING THE FILM A PACKAGING CONTAINER FORMED FROM THE PACKAGING LAMINATE AND A METHOD FOR THE PRODUCTION OF THE FILM

(51) International classification :B32B17/08  
(31) Priority Document No :0901176-8  
(32) Priority Date :11/09/2009  
(33) Name of priority country :Sweden  
(86) International Application No :PCT/EP2010/005539  
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 :  
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Pully Switzerland  
(72)Name of Inventor :  
**1)ROCHAT Gil**  
**2)BONNEBAULT Alain**  
**3)BRKI Monika**  
**4)LORENZETTI Cesare**

(57) Abstract :

The invention relates to a thermo-mechanically stable heat sealable vapour deposition barrier-coated polymer film substantially comprising polymers based on polyethylene. The invention especially relates to such a metallised polymer film. The invention also relates to a packaging laminate comprising the vapour deposition coated polymer film and to a packaging container produced from such a packaging laminate. The invention further relates to a method for the production of the coated stable heat sealable polymer film and to the method of manufacturing a packaging laminate including the heat sealable film.

No. of Pages : 32 No. of Claims : 26



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2148/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : WIRELESS COMMUNICATION APPARATUS AND WIRELESS COMMUNICATION METHOD

(51) International classification	:H04B7/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-208040	<b>1)NEC Corporation</b>
(32) Priority Date	:09/09/2009	Address of Applicant :7-1 Shiba 5-chome Minato-ku
(33) Name of priority country	:Japan	Tokyo 108-8001 Japan
(86) International Application No	:PCT/JP2010/065455	(72) <b>Name of Inventor :</b>
Filing Date	:02/09/2010	<b>1)TODOROKI Toshiya</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 :

[Problem] To provide a wireless communication device and a wireless communication method with which reliability of transmission data can be improved or a high transmission rate can be realized without newly adding an antenna. [Means for solving the problems] A wireless communication device which has a MIMO function conforming to a predetermined wireless standard and includes a plurality of communication terminals which can communicate with a base station incorporating the MIMO function includes a master communication terminal which is any one of the plurality of communication terminals and a slave communication terminal which is connected to the master communication terminal via predetermined connection means and is one or more communication terminals other than the master communication terminal among the plurality of communication terminals, and wherein, a configuration in which a part of or all signal processing functions that relate to transmission and reception of one or more antennas incorporated in one or more slave communication terminals can be controlled from the master communication terminal is used and whereby, a configuration in which the number of antennas can be arbitrarily increased is implemented and a protocol for call connection is performed only between the base station and the master communication terminal.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : VARIABLE ANGLE COMPRESSION PLATE

(51) International classification :A61B17/80

(31) Priority Document No :61/242,102

(32) Priority Date :14/09/2009

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

(86) International Application No :PCT/US2010/048753

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)SYNTHESES GmbH**

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Switzerland

(72)**Name of Inventor :**

**1)KOAY Kenny**

**2)HAAG Rene**

(57) Abstract :

A bone plate comprises a first surface and a second surface in combination with a first hole extending through the bone plate from the first surface to the second surface the hole including a compression portion and a variable angle portion open to one another by a connecting space. The compression portion includes a sloping surface adapted to engage a head of a bone fixation element inserted thereto so that the bone fixation element imparts a force to the bone plate to move the bone plate laterally relative to a portion of bone into which the bone fixation element is inserted. The variable angle portion includes a plurality of columns positioned about a circumference of a wall of the variable angle portion. The columns are separated from one another by a plurality of positioned between adjacent pairs of columns and including a plurality of protrusions extending radially inward therefrom.

No. of Pages : 17 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2150/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : ODOUR COMPOUNDS

(51) International classification :C07C69/007

(31) Priority Document No :0915993.0

(32) Priority Date :11/09/2009

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

(86) International Application No :PCT/EP2010/063288

Filing Date :10/09/2010

(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)KRAFT Philip**

**2)MUELLER Urs**

(57) Abstract :

A compound of formula (I) wherein R1 and R2 are independently selected from hydrogen methyl ethyl propyl and isopropyl; or R1 and R2 together form a saturated or monounsaturated 5- or 6-membered hydrocarbon ring as represented by the arcuate dotted line; R3 is selected from methyl and ethyl; R4 is selected from methyl ethyl propyl isopropyl cyclopropyl butyl isobutyl cyclobutyl and cyclopentyl; R5 is selected from hydrogen and methyl and the dotted line between positions 3<sup>TMTM</sup> and 4<sup>TMTM</sup> represents an optional double bond. The compounds have a musk odour and are useful in fine and functional fragrances.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : A CONTAINER AND A STRUCTURE INCLUDING THE CONTAINER AS A BUILDING ELEMENT•

(51) International classification	:B65D21/02
(31) Priority Document No	:2009/5655
(32) Priority Date	:14/08/2009
(33) Name of priority country	:South Africa
(86) International Application No	:PCT/ZA2010/00044
Filing Date	:13/08/2010
(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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0081 Pretoria South Africa  
(72)**Name of Inventor :**  
**1)MULLER Stephanus Petrus**  
**2)BOS Louis Westra**

(57) Abstract :

The container 60 has a body 62 which has a height of about 162 mm. The container 60 has two spaced apart connectors 20 22 on each of two opposed sides 64 66 thereof. The connectors 20 22 are spaced apart by a distance of about 120 mm. The connectors 20 22 are in the form of protrusions (not visible) and recess formations 22.1.

No. of Pages : 66 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2167/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : VASCULAR PROSTHESIS WITH STRESS RELIEF SLOTS

(51) International classification :A61F2/82  
(31) Priority Document No :61/239,351  
(32) Priority Date :02/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/047449  
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

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(72)**Name of Inventor :**  
**1)Eric W. Leopold**  
**2)Gerald Ray Martin**  
**3)Eric Hsiang Yu**  
**4)Alexander Arthur Lubinski**  
**5)Michael C. Waldo**  
**6)Christopher P. Cheng**

(57) Abstract :

A vascular prosthesis comprises generally tubular body placeable in contracted and expanded states and has an axial length and a circumferential dimension in the expanded state. The body includes a series of circumferential elements having first lengths. First and second connectors have connector lengths and join alternating ends of adjacent circumferential elements. The first length plus the connector lengths joined thereto equal a total circumferential length. Each connector length is between 2.5% and 25% of the total circumferential length. Adjacent circumferential elements and connectors extending therefrom are separated by a stress relief slot having a relief slot length of more than 50% and less than 95% of the total circumferential length. The stress relief slots have narrow width portions over a majority of the relief slot lengths the narrow width portions having lateral dimensions of no greater than about 3 mm.

No. of Pages : 42 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2168/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : RAF INHIBITOR COMPOUNDS AND METHODS OF USE THEREOF•

(51) International classification :C07D239/94  
(31) Priority Document No :61/238,105  
(32) Priority Date :28/08/2009  
(33) Name of priority country :U.S.A.  
86) International Application No :PCT/US2010/046952  
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)GRADL Stefan**  
**3)GUNZNER Janet**  
**4)LEE Wendy**  
**5)MATHIEU Simon**  
**6)RUDOLPH Joachim**  
**7)WEN Zhaoyang**  
**8)ZHAO Guiling**  
**9)BUCKMELTER Alexandre J.**  
**10)GRINA Jonas**  
**11)HANSEN Joshua D.**  
**12)LAIRD Ellen**  
**13)MORENO David**  
**14)REN Li**  
**15)WENGLOWSKY Steven Mark**

(57) Abstract :

Compounds of Formula I are useful for inhibition of Raf kinases. Methods of using compounds of Formula I and stereoisomers tautomers prodrugs and pharmaceutically acceptable salts thereof for in vitro in situ and in vivo diagnosis prevention or treatment of such disorders in mammalian cells or associated pathological conditions are disclosed.

No. of Pages : 142 No. of Claims : 44

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2171/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : CONTROLLABLE DIRECT-CURRENT MOTOR HAVING A PARTICULAR SPEED/TORQUE CHARACTERISTIC•

(51) International classification	:H02P25/18
(31) Priority Document No	:10 2009 041 878.4
(32) Priority Date	:07/09/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/EP2010/062553
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)DIETL Lothar**  
**2)SCHREIBER Alfred**  
**3)GEITNER Richard E.**

(57) Abstract :

The invention relates to a direct current motor preferably in the form of an EC-motor comprising adaptation means in order to modify the speed-torque characteristic curve. Said motor comprises a permanently active control circuit for controlling the motor and which is programmed in such a way that the speed-torque characteristic curve are permanently modified in relation to the nominal operation or in the operation in which the adaption means are used.

No. of Pages : 30 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2182/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : COSMETIC COMPOSITION

(51) International classification :A61K8/365  
(31) Priority Document No :0915964.1  
(32) Priority Date :11/09/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/051431  
Filing Date :31/08/2010  
(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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**1)BUCKLEY Carolyn**  
**2)JACKSON Stuart**  
**3)RAWLINGS Tony**

(57) Abstract :

A dermatological or cosmetic composition for skin care which includes an  $\alpha$ -hydroxy acid  $\beta$ -hydroxy acid poly hydroxy acid or bionic acid or a salt thereof in combination with niacinamide.

No. of Pages : 14 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2183/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR THE PURIFICATION OF CRUDE GLYCEROL

(51) International classification :C07C29/92  
(31) Priority Document No :09170121.9  
(32) Priority Date :11/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/IB2010/002246  
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

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(72)**Name of Inventor :**  
**1)LOURENCO Wagner Clio Ferraz**  
**2)MACRET Richard**  
**3)CIELO Jos Eduardo**

(57) Abstract :

The present invention generally concerns a process for the purification of crude glycerol obtained as a by-product of industrial processes such as saponification hydrolysis and transesterification with low chain alcohols of natural oils and fats. The present invention particularly concerns the purification treatment of crude glycerol obtained as a by-product of the biodiesel production from vegetable oils and animal fats aiming to obtain a concentrated purified product.

No. of Pages : 13 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2186/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND DEVICE FOR HARDENING WORK PIECES AND WORKPIECES HARDENED ACCORDING TO SAID METHOD

(51) International classification	:C23C8/02	(71)Name of Applicant :
(31) Priority Document No	:10 2009 041 041.4	<b>1)ALD Vaccum Technologies GmbH</b>
(32) Priority Date	:10/09/2009	Address of Applicant :Wilhelm-Rohn-Strasse 35 D-63450
(33) Name of priority country	:Germany	Hanau Germany
(86) International Application No	:PCT/EP2010/005456	(72)Name of Inventor :
Filing Date	:06/09/2010	<b>1)HEUER Volker</b>
(87) International Publication No	: NA	<b>2)L-SER Klaus</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SCHMITT Gunther</b>
Filing Date	:NA	<b>4)WELZIG Gerhard</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method and device for thermally treating workpieces said device comprising a cooling chamber and two or more cementing chambers in which the workpieces are heated to a temperature of 950-1200<sup>TM</sup>c by means of direct heat radiation of a heating devices.

No. of Pages : 50 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2187/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR PRODUCING CEMENT WITH SEPARATION OF CO<sub>2</sub>

(51) International classification	:F27B7/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10 2009 041 089.9	<b>1)KHD Humboldt Wedag GmbH</b>
(32) Priority Date	:10/09/2009	Address of Applicant :Colonia-Allee 3 51067 Kln
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/061748	(72) <b>Name of Inventor :</b>
Filing Date	:12/08/2010	<b>1)MATHAI Robert</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for producing cement clinker comprising the following steps: preheating raw meal comprising calcium carbonate in a preheating stage that is heated by the exhaust gases of a sintering stage connected downstream in the direction of the gas flow, neutralizing the preheated raw meal, sintering the neutralized raw meal into cement clinker in a sintering stage, cooling the cement clinker from the sintering stage in a cooling stage that cools the cement clinker with a gas. According to the invention, the exhaust gases of the sintering stage are combined with the exhaust gases of the neutralization, and the combined exhaust gases are conducted in an open gas circuit. With the method according to the invention, the CO<sub>2</sub> emissions are substantially reduced over known systems with CO separation, and the formation of nitrogen oxides by the combustion of atmosphere nitrogen in the oxidative environment of the sintering stage burner is almost completely prevented.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2188/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : CRYSTALLINE COMPOUND OF 7-[(3R)-3-AMINO-1-OXO-4-(2 4 5-TRIFLUOROPHENYL)BUTYL]-5 6 7 8-TETRAHYDRO-3-(TRIFLUOROMETHYL)-1 2 4-TRIAZOLO[4 3-A]PYRAZINE

(51) International classification :C07D487/04

(31) Priority Document No :09167825.0

(32) Priority Date :13/08/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/061733

Filing Date :12/08/2010

(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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Switzerland

(72)Name of Inventor :

**1)BLATTER Fritz**

**2)REICHENB.,,CHER Katharina**

(57) Abstract :

The present invention refers to a crystalline compound of 7-[(3R)-3-amirio-1-oxo-4- (2 4 5-trifluorophenyl)butyl]-5 6 7 8-tetrahydro-3-(trifluoromethyl)-1 2 4-triazolo[4 3- a]pyrazine (INN: Sitagliptin) of formula I with fumaric acid or a hydrate thereof where the molar ratio of the compound of formula I to fumaric acid is 1:0.6 to

No. of Pages : 24 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2209/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD OF IDENTIFYING A PATIENT WITH AN INCREASED LIKELIHOOD OF RESPONDING TO AN ANTI-CANCER AGENT

(51) International classification :G01N33/58

(31) Priority Document No :61/241,769

(32) Priority Date :11/09/2009

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

(86) International Application No :PCT/US2010/048491

Filing Date :10/09/2010

(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)F. HOFFMANN-LA ROCHE AG**

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Basel Switzerland

(72)Name of Inventor :

**1)BAGRI Anil D.**

**2)CAUNT Maresa**

**3)GOGINENI Alvin**

**4)VAN BRUGGEN Nicholas**

**5)WEIMER Robby**

(57) Abstract :

The invention provides methods for identifying patients having an increased likelihood of responding to an anti-cancer agent or an increased likelihood of undergoing metastasis. The invention also provides methods for monitoring a patients<sup>TM</sup> response to an anti-cancer agent. The invention also provides kits and articles of manufacture for use in the methods.

No. of Pages : 79 No. of Claims : 49

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2210/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PLATE HEAT EXCHANGER FOR ISOTHERMAL CHEMICAL REACTORS

(51) International classification	:B01J8/02	(71)Name of Applicant :
(31) Priority Document No	:09167856.5	<b>1)METHANOL CASALE S.A.</b>
(32) Priority Date	:13/08/2009	Address of Applicant :Via Giulio Pocobelli 6 CH-6900
(33) Name of priority country	:EPO	Lugano-Besso Switzerland
(86) International Application No	:PCT/EP2010/059732	(72)Name of Inventor :
Filing Date	:07/07/2010	<b>1)RIZZI Enrico</b>
(87) International Publication No	: NA	<b>2)FILIPPI Ermanno</b>
(61) Patent of Addition to Application	:NA	<b>3)TAROZZO Mirco</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A radial-flow plate heat exchanger (5) embedded in the catalytic bed of an isothermal chemical reactor (1) has heat exchange plates (10) comprising fluid passages (13) between a first metal sheet (20) and a second metal sheet (21) joined by perimeter weld seams (23) on a first surface (A) of the plate a feeding channel (14) and a collecting channel (15) for the heat exchange fluid are formed with suitable metal sheets which are seam welded (25) directly to the opposite surface (B) of the plate this structure allows the manufacturing of the plate (10) with an automated seam welding process such as laser beam welding.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6816/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : POLYOLEFIN MASTERBATCH AND COMPOSITION SUITABLE FOR INJECTION MOLDING

(51) International classification :C08L23/10  
(31) Priority Document No :09155831.2  
(32) Priority Date :23/03/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/053621  
Filing Date :19/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)Basell Poliolefine Italia S.r.l.**  
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Italy  
(72)**Name of Inventor :**  
**1)CIARAFONI Marco**  
**2)MASSARI Paola**  
**3)BIONDINI Gisella**  
**4)PANTALEONI Roberto**  
**5)WILLEMS Sander**

(57) Abstract :

A masterbatch composition comprising: 70-90 %wt of a component (A) being a propylene homopolymer or copolymer of propylene with ethylene or C4-C10 alpha olefins having a MFRA according to ISO 1133 (230°C/2.16 Kg) ranging from 15 to 70 g/10 min; and 10-30 %wt of a component B) being a propylene-ethylene copolymer comprising 25-45 %wt of ethylene derived units and having a value of the intrinsic viscosity  $[\eta]$  of the fraction soluble in xylene at room temperature ranging from 5 to 9 dl/g said masterbatch composition having a total MFR higher than 4 g/10 min and a value of the flexural modulus measured according to ISO method 178 ranging from 950 to 2000 MPa.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6817/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COUNTER•

(51) International classification :A61M15/00  
(31) Priority Document No :0904040.3  
(32) Priority Date :10/03/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/050404  
Filing Date :10/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BACON Raymond**

**2)MCDERMENT Iain Grierson**

(57) Abstract :

A counter comprising: a first ring member having first indicia and a second ring member having second indicia each of said first and second ring members being rotatable in increments about a common axis one or both of said first and second indicia indicating a count; a drive mechanism for rotating said first ring member; and a coupling mechanism for releasably coupling said first ring member to said second ring member to allow said first and second ring members to rotate cooperatively when coupled and to allow independent rotating of said first ring member when not coupled; wherein said coupling mechanism comprises first and second engagement means said first engagement means being movable radially outwardly and radially inwardly relative to said axis.

No. of Pages : 46 No. of Claims : 42



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6818/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR PRODUCING 1,6-HEXANEDIOL AND CAPROLACTONE•

(51) International classification	:C07G29/149
(31) Priority Document No	:09157503.5
(32) Priority Date	:07/04/2009
(33) Name of priority country	:EO
(86) International Application No	:PCT/EP2010/054285
Filing Date	:31/03/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

**1)BASF SE**

Address of Applicant :67056 Ludwigshafen Germany

(72)Name of Inventor :

**1)PINKOS Rolf**

**2)BREUNINGER Daniel**

**3)TEBBEN Gerd-Dieter**

(57) Abstract :

The invention relates to a process for preparing 1,6 hexanediol and caprolactone preferably with at least 99.5% purity which are especially virtually free of 1,4 cyclohexanediols from a carboxylic acid mixture which is obtained as a by-product of the catalytic oxidation of cyclohexane to cyclohexanone/cyclohexanol with oxygen or oxygen-comprising gases and by water extraction of the reaction mixture by hydrogenating the carboxylic acid mixture esterifying and hydrogenating a substream to hexanediol and cyclizing 6 hydroxycaproic ester the 1,4 cyclohexanediols being removed either in the course of fractionation of the esterification mixture or last from the caprolactone.

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6819/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR OBTAINING A PREPARATION OF BETA-AMYLASES FROM THE SOLUBLE FRACTIONS OF STARCH PLANTS•

(51) International classification :C07K1/14  
(31) Priority Document No :0951962  
(32) Priority Date :30/03/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/050596  
Filing Date :30/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)ROQUETTE FRERES**  
Address of Applicant :F-62136 Lestrem France  
(72)**Name of Inventor :**  
**1)COURBOIS Vincent**  
**2)DUFLOT Pierrick**  
**3)PASSE Damien**

(57) Abstract :

The present invention relates to a method for obtaining a preparation of -amylases from the soluble fraction of starch plants characterized in that the soluble fraction of starch plants is selected from the group consisting of the soluble fractions of wheat pea broad bean horse bean rice barley rye buckwheat potato and sweet potato and preferably of wheat and barley a clarification of said soluble fractions is carried out in such a way as to remove therefrom the insoluble substances and the colloids and optionally an ultrafiltration of said clarified soluble fractions is carried out in such a way as to obtain an ultrafiltration retentate containing the concentrated -amylase and an ultrafiltration permeate said ultrafiltration retentate containing the concentrated -amylase is diafiltered and the resulting -amylase is recovered.

No. of Pages : 33 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6820/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ANTI-CORROSIVE COATING COMPOSITION•

(51) International classification :C09D5/08  
(31) Priority Document No :61/166,565  
(32) Priority Date :03/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/054463  
Filing Date :02/04/2010  
(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)AKZO NOBEL COATINGS INTERNATIONAL B.V.**  
Address of Applicant :Velperweg 76 NL-6824 BM  
Arnhem The Netherlands  
(72)**Name of Inventor :**  
**1)VISSER Peter**  
**2)HAYES Scott Alan**

(57) Abstract :

The invention relates to a low temperature-curable coating composition comprising a film-forming resin a curing agent for the film-forming resin and a lithium salt.

No. of Pages : 75 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6821/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : LIGHTING CONTROL METHOD HAVING A LIGHT OUTPUT RAMPING FUNCTION

(51) International classification :H05B37/02

(31) Priority Document No :12/410,494

(32) Priority Date :25/03/2009

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

(86) International Application No :PCT/US2010/027888

Filing Date :19/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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44060-1834 U.S.A.

(72)Name of Inventor :

**1)HITE David A.**

**2)RICE Sheari A.**

(57) Abstract :

A lighting control method for maintaining substantially uniform light output from an LED light source during a warm-up period.  
A ramp duty cycle function gradually increases the duty cycle of an LED drive output signal during the warm-up period of the LED light source.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6822/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DSL NOISE CANCELLATION•

(51) International classification :H04B3/32  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/US2009/036076  
Filing Date :04/03/2009  
(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)FLOWERS MARK B.**

**2)MALLORY MARK**

**3)BRADY MARK**

**4)CIOFFI JOHN M.**

**5)MOHSENI MEHDI**

(57) Abstract :

A method and apparatus in noise cancellation system that receives noise reference signal via noise reference signal input port and performs at least one of procedures a and b set forth below for reducing noise in DSL data signal transmitted on DSL transmission line to which noise cancellation system is coupled: a.i.) creating noise free representation of DSL synchronization symbol repeatedly occurring in transmitted DSL data signal and a.ii.) reducing noise in transmitted DSL data signal based on noise free representation of DSL synchronization symbol and received noise reference signal and b.i) analyzing at least one of received noise reference signal and transmitted DSL data signal to identify one or more frequency bands in which to de-emphasize noise cancellation in transmitted DSL data signal and b.ii) causing noise cancellation system to de-emphasize noise cancellation in identified one or more frequency bands of transmitted DSL data signal responsive to analysis.

No. of Pages : 48 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6823/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMPOSITIONS&NBSP; SYNTHESIS&NBSP; AND METHODS OF UTILIZING ARYLPIPERAZINE DERIVATIVES

(51) International classification :A61K31/497  
(31) Priority Document No :61/155,791  
(32) Priority Date :26/02/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/025687  
Filing Date :26/02/2010  
(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)BHAT Laxminarayan**  
**2)MOHAPATRA Prabhu Prasad**  
**3)ADIEY Kouacou**

(57) Abstract :

The present invention provides arylpiperazine derivatives which can be advantageously used for treating schizophrenia and related psychoses such as acute manic bipolar disorder autistic disorder and depression.

No. of Pages : 53 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6824/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MULTI-CHANNEL MANAGEMENT AND LOAD BALANCING

(51) International classification :H04W72/02

(31) Priority Document No :61/162,958

(32) Priority Date :24/03/2009

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

(86) International Application No :PCT/US2010/028532

Filing Date :24/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)ABRAHAM Santosh P.**

**2)MERLIN Simone**

**3)WENTINK Maarten Menzo**

**4)SAMPATH Hemanth**

**5)JONES Vincent Knowles IV**

(57) Abstract :

Certain aspects of the present disclosure provide a protocol to allow for load balancing between multiple frequency channels in a wireless communications system.

No. of Pages : 50 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6825/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TRANSFORMER-BASED CMOS OSCILLATORS

(51) International classification :H03L7/099  
(31) Priority Document No :12/406,525  
(32) Priority Date :18/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/027861  
Filing Date :18/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**

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U.S.A.

(72)**Name of Inventor :**

**1)TAGHIVAND Mazhareddin**

(57) Abstract :

Techniques for providing transformer-based CMOS oscillators capable of operation with low voltage power supplies. In an exemplary embodiment an LC tank is provided at the drains of a transistor pair and the inductance of the LC tank is mutually magnetically coupled to an inductance between the gates of the transistor pair. A separate complementary transistor pair is also coupled to the LC tank. A further exemplary embodiment provides an LC tank at the gates of a transistor pair as well as for three-way coupling amongst a tank inductance an inductance between the gates of the transistor pair and an inductance between the gates of a complementary transistor pair.

No. of Pages : 40 No. of Claims : 27



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6826/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : CURRENT CONTROLLED OSCILLATOR WITH REGULATED SYMMETRIC LOADS

(51) International classification :H03L1/00

(31) Priority Document No :12/407,113

(32) Priority Date :19/03/2009

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

(86) International Application No :PCT/US2010/027859

Filing Date :18/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)SEO Dongwon**

**2)WADHWA Sameer**

(57) Abstract :

An integrated circuit incorporating a bias circuit for a current-controlled oscillator (ICO) with improved power supply rejection ratio (PSRR) is described. The bias circuit for the ICO includes two error amplifiers. The first error amplifier regulates the bias voltage VBN referenced to a ground supply (GND). The second error amplifier regulates the bias voltage VBP referenced to a positive power supply (VDD). The VBP and VBN bias voltages have improved PSRR relative to conventional ICO bias circuits for noise injected into VDD and GND.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6827/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TECHNIQUES FOR NON-OVERLAPPING CLOCK GENERATION

(51) International classification :H03L7/08  
(31) Priority Document No :12/417,497  
(32) Priority Date :02/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029850  
Filing Date :02/04/2010  
(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

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**1)QUAN Xiaohong**

**2)SONG Tongyu**

**3)MATHE Lennart**

**4)ALLADI Dinesh J.**

(57) Abstract :

Techniques for generating precise non-overlap time and clock phase delay time across a desired frequency range are provided. In one configuration a device includes a non-overlapping clock generation circuit which comprises a delay lock loop (DLL) circuit that in turn generates a control voltage to a clock generator circuit coupled thereto. The control voltage operates to maintain precise timing relationship of non- overlapping delayed clock signals generated by the clock generator circuit. In one aspect the DLL circuit receives an input clock with a known duty cycle and derives an output control voltage to fix the unit delay to a certain portion of the input clock cycle. ....

No. of Pages : 32 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6828/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEMS&NBSP; APPARATUS AND METHODS FOR INTERFERENCE MANAGEMENT IN WIRELESS NETWORKS

(51) International classification :H04W24/02  
(31) Priority Document No :61/161,643  
(32) Priority Date :19/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028057  
Filing Date :19/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)SAMPATH Ashwin**  
**2)RANGAN Sundeep**  
**3)BACHU Raja S.**

(57) Abstract :

Systems apparatus methods and computer program products are provided. In some embodiments a method for facilitating interference management in an unplanned wireless communication system (300) is provided. The method can include a non-serving base station (310A 310B) synchronizing a non-serving base station (360) downlink subframe to a serving base station downlink subframe wherein the serving base station downlink subframe is transmitted from a serving base station to a user equipment (320A) served by the serving base station (360). The method can also include the non-serving base station decoding one or more control channel symbols of the serving base station downlink subframe; and determining information for performing interference management associated with the user equipment. The determined information can be based at least in part on the decoded one or more control channel symbols of the serving base station downlink subframe.

No. of Pages : 89 No. of Claims : 68

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6829/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :21/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ACKNOWLEDGEMENT RESOURCE ALLOCATION AND SCHEDULING FOR WLANS

(51) International classification	:H04L5/00	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/422,145	<b>1)QUALCOMM Incorporated</b>
(32) Priority Date	:10/04/2009	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2010/030614	U.S.A.
Filing Date	:09/04/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)VERMANI Sameer</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SRIDHARA Vinay</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed are methods and apparatuses for communication by which a physical layer packet is generated for transmission to a plurality of nodes or by which a physical layer packet is received by a plurality of nodes wherein a resource allocation for each of the plurality of nodes to send an acknowledgement to an apparatus or a transmitting node is included in the physical layer packet.

No. of Pages : 50 No. of Claims : 88

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6830/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : USE OF SERINE PROTEASE INHIBITORS IN THE TREATMENT OF NEUTROPENIA

(51) International classification :A61K 35/14  
(31) Priority Document No :61/202,535  
(32) Priority Date :10/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/051038  
Filing Date :10/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)FONTANA Adriano**  
**2)RECHER Mike**  
**3)KUNDIG Christoph**

(57) Abstract :

The invention relates to therapeutic compounds which are inhibitors of serine proteases to pharmaceutical compositions thereof and to their use in the treatment of the human or animal body. More specifically the present invention relates to a method for the treatment of neutropenia comprising the administration to a subject in need thereof of a therapeutically effective amount of a serine protease inhibitor. The invention also comprises prevention of apoptosis of myeloid cells (1) during and after transfection of bone marrow cells performed for gene therapy (2) during blood stem cell mobilization performed for reconstitution of hematopoiesis and (3) during infusion of cells of the myeloid lineage for reconstitution of hematopoiesis for gene therapy or for treatment of neutropenia by infusion of neutrophils.

No. of Pages : 48 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6831/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ANTIBODIES SPECIFICALLY DIRECTED TO THE SOLUBLE FORM OF CTLA-4•

(51) International classification :A61P 37/04

(31) Priority Document No :0903325.9

(32) Priority Date :26/02/2009

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

(86) International Application No :PCT/GB2010/000351

Filing Date :26/02/2010

(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)WARD Frank James**

**2)BARKER Robert Norman**

**3)DAHAL Lekh Nath**

(57) Abstract :

The invention provides materials and methods relating to antibodies specific for the soluble form of CTLA-4 (sCTLA-4). Such antibodies have been shown to have a strong boosting effect on antigen-specific human immune responses.

No. of Pages : 59 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6832/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : THERMOFUSIBLE COMPOSITION FOR SLUSH MOULDING•

(51) International classification :C08L 53/02  
(31) Priority Document No :10152145.8  
(32) Priority Date :29/01/2010  
(33) Name of priority country :EPO  
(86) International application No :PCT/EP2011/050538  
Filing Date :17/01/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)CARFAGNINI Alessandro**

**3)STOL Marianne**

**4)VERVOORT Freddy M.A.**

(57) Abstract :

A thermofusible composition in the form of pellets and/or powder with a particle size of 1400 µm or less comprising from about 40 to about 70 weight percent of a selectively hydrogenated styrenic block copolymer (HSBC) and from about 1 to about 30 weight percent of a butylene homopolymer a butylene copolymer or a combination of the butylene homopolymer and the copolymer wherein the HSBC (i) is a linear or branched hydrogenated block copolymer having the general configuration A-B-A (A-B)<sub>n</sub> (A-B-A)<sub>n</sub> (A-B-A)<sub>n</sub>X (A-B)<sub>n</sub>X or mixtures thereof where n is an integer from 2 to about 30 and X is coupling agent residue and wherein: a. prior to hydrogenation each A block is a mono ...

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6833/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DOUBLE LUMEN CATHETER•

(51) International classification	:A61M 25/00
(31) Priority Document No	:09155018.6
(32) Priority Date	:12/03/2009
(33) Name of priority country	:EPO
(86) International Application N	:PCT/EP2010/001530
Filing Date	:11/03/2010
(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

(71)Name of Applicant :

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(72)Name of Inventor :

**1)STEEGERS Anselm**

**2)SCHULER Olivier**

(57) Abstract :

The present application concerns a double-lumen catheter an elongated tubular body (11) having a proximal end and distal end a divider wall (26) extending along an interior of said tubular body (11) and separating said interior into an intake lumen (22) and a return lumen (24) and the intake lumen (22) and said return lumen (24) each comprising a bevelled opening (12; 14) sloping toward the divider wall (26) and toward the distal end of the tubular body (11) respectively the openings (12; 14) being divided by the divider wall (26) such that one side of the divider wall (26) faces the intake lumen (22) and the other side of the divider wall (26) faces the return lumen (24). Further, the divider wall (26) at the distal end of the tubular body (11) on at least one of its two sides comprises at least one ridge (16; 18) extending in the area of the openings (12; 14) and along a longitudinal portion of the tubular body (11).

No. of Pages : 21 No. of Claims : 16



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6837/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING CO-CHANNEL INTERFERENCE IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W88/00	(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, F-
(33) Name of priority country	:NA	75007 PARIS France
(86) International Application No	:PCT/CN2009/000312	(72) <b>Name of Inventor :</b>
Filing Date	:25/03/2009	<b>1)WU, KEYIING</b>
(87) International Publication No	:WO 2010/108298 A1	<b>2)ZHU, XIAOLONG</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SONG, YANG</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a method and an apparatus of controlling co-channel interference in a base station of a wireless communication system based on collaborative MIMO and the corresponding method and apparatus of assisting a serving base station to control co-channel interference in a mobile station of a wireless communication system based on collaborative MIMO. Since the feedback mechanism based on the codebook is employed in the collaborative MIMO system in the present invention to enable the BS to obtain the precoding information, the present invention can be used to the both TDD mode and FDD mode. Moreover, since the precoding vectors selected by the different mobile stations for a same BS are always orthogonal, multi-user co-channel interference can be reduced.

No. of Pages : 44 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6839/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ELASTIC FIBER CONTAINING AN ANTI-TACK ADDITIVE

(51) International classification :D01F 6/70  
(31) Priority Document No :61/16,480  
(32) Priority Date :23/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/027641  
Filing Date :17/03/2010  
(87) International Publication No :WO 2010/111088 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)MARTIN, KENNETH, EDWARD**  
**2)BING-WO, RONALD, D.**  
**3)LOCK, ROBERT, L.**

(57) Abstract :

Anti-tack additives for elastic fibers and methods of preparing the same are included. The elastic fibers include a substituted cellulose additive.

No. of Pages : 24 No. of Claims : 31

(54) Title of the invention : A METHOD FOR DATA TRANSMISSION USING AN ENVELOPE ELIMINATION AND RESTORATION AMPLIFIER, AN ENVELOPE ELIMINATION AND RESTORATION AMPLIFIER, A TRANSMITTING DEVICE, A RECEIVING DEVICE, AND A COMMUNICATION NETWORK THEREOF OR

(51) International classification	:H04W88/08	(71)Name of Applicant :
(31) Priority Document No	:09305258.7	<b>1)ALCATEL LUCENT</b>
(32) Priority Date	:24/03/2009	Address of Applicant :3, AVENUE OCTAVE GREARD, D-
(33) Name of priority country	:EPO	75007 PARIS France
(86) International Application No	:PCT/EP2010/0533365	(72)Name of Inventor :
Filing Date	:16/03/2010	<b>1)TEMPL, WOLFGANG</b>
(87) International Publication No	:WO 2010/108818 A1	<b>2)WIEGNER, DIRK</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 concerns a method for transmission of data signals from a transmitting device (BS) to a receiving device (RAH1) using an envelope elimination and restoration amplifier (EER1, EER2) for signal amplification, wherein the data signals are represented by envelope signal components and phase signal components in a first part of the envelope elimination and restoration amplifier (EER1, EER2) located in the transmitting device (BS), the envelope signal components or phase signal components are transmitted over at least one optical connection (OF1, OF2) from the transmitting device (BS) to the receiving device (RAH1), and the envelope signal components or phase signal components are converted from optical signals into electrical signals in said receiving device (RAH1), an envelope elimination and restoration amplifier, a transmitting device, a receiving device, and a communication network therefor.

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6845/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ROUTE GUIDING SYSTEM, ROUTE GUIDING SERVER, AND ROUTE GUIDING METHOD

(51) International classification :G08G1/0969  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/JP2009/055851  
Filing Date :24/03/2009  
(87) International Publication No :WO 2010/109597  
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)NAKASHIMA, SHINJI**

(57) Abstract :

In a route guiding system equipped with a route guiding server (30) and terminal devices (20), a reference point is set as a base point in a travel direction to guide a moving body in a direction that should be taken on route, the direction the moving body should take from the aforementioned reference point is determined based on information relating to the aforementioned route, a specific target object is selected from among target objects used to specify the direction to be taken by the moving body that is near the aforementioned reference point, attribute information relating to the selected target object is obtained, and the travel direction from the aforementioned determined reference point is specified for the moving body based on the attribute information obtained, in order to guide the moving body in the direction that should be taken on the route.

No. of Pages : 56 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6849/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : RADIO COMMUNICATION SYSTEM, BASE STATION APPARATUS, MOBILE STATION APPARATUS, RADIO COMMUNICATION METHOD, AND PROGRAM

(51) International classification :H04W72/04  
(31) Priority Document No :2009-040337  
(32) Priority Date :24/02/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/052639  
Filing Date :22/02/2010  
(87) International Publication No :WO 2010/098289  
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)SUZUKI, SHOICHI**  
**2)YAMADA, SHOHEI**  
**3)NAKASHIMA, DAIICHIRO**

(57) Abstract :

A mobile station apparatus 2 is assigned multiple component carriers in an uplink and a downlink by a base station apparatus and communicates with the base station apparatus by using the component carriers. The mobile station apparatus 2 includes a downlink control channel detector 67 and a carrier component identifying unit 53a. The downlink control channel detector 67 detects a downlink control channel from multiple search spaces where to detect the downlink control channel. From the search space where the downlink control channel detected by the downlink control channel detector 67 is arranged, the carrier component identifying unit 53a identifies the component carriers controlled with downlink control information transmitted in the downlink control channel and addressed to the mobile station apparatus. This makes it possible to identify the component carrier controlled with the downlink control information (DO) transmitted in the downlink control channel (PDCCH) without increasing the coding ratio of the downlink control channel (PDCCH).

No. of Pages : 55 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6850/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DISPLAY DEVICE AND METHOD OF OPERATION THEREOF

(51) International classification :G02F1/135  
(31) Priority Document No :2009/083447  
(32) Priority Date :30/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2009/068399  
Filing Date :27/10/2009  
(87) International Publication No :WO 2010/116556  
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)YOSHIHARU KATAOKA**  
**3)TAKUYA WATANABE**  
**4)HAJIME IMAI**  
**5)HIDEKI KITAGAWA**

(57) Abstract :

A display device, comprising, in a display region, a first circuit including a photodiode, a first capacitor, a second capacitor, and an output amplifier, a cathode of the photodiode, one end of the first capacitor, one end of the second capacitor, and an input of the output amplifier being connected with one another via a first node, an electrode at the other end of the second capacitor being provided on a substrate having a display surface of a display panel, and an electrode at the one end of the second capacitor being positioned to be away from the display surface in a thickness direction of the display panel in such a manner as to face the electrode at the other end of the second capacitor.

No. of Pages : 76 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6851/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : AIR INTAKE CONTROL DEVICE FOR ENGINE

(51) International classification :F02M 69/32  
(31) Priority Document No :2009-070028  
(32) Priority Date :23/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/054822  
Filing Date :19/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)AKIYAMA Hiroshige**  
**2)MIURA Tatsuya**  
**3)FUJINO Yuuki**

(57) Abstract :

In an air intake control device for an engine in which a throttle body (1) having an air intake path (7) is provided with a bypass (30) communicating with the air intake path (7) while bypassing a throttle valve (8) and the bypass (30) is provided with valve means (31) for opening and closing the bypass (30) an inlet of the bypass (30) is formed of a concave groove (32) formed in an inner surface of the air intake path (7) so as to start from an upstream end of the throttle body (1) and terminate as a dead-end before reaching the throttle valve (8) and a different path (33) of the bypass (30) leading to the concave groove (32) has an opening in a step portion (32c) raised from an inner surface (32b) of the concave groove (32) by one step.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6852/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SODIUM ION BATTERY

(51) International classification :H01M10/054

(31) Priority Document No :2009-073714

(32) Priority Date :25/03/2009

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2010/055486

Filing Date :23/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

**1)OHMORI Shigekazu**

**2)YAMAMOTO Taketsugu**

(57) Abstract :

Disclosed is a sodium ion battery comprising a positive electrode a negative electrode and a sodium ion nonaqueous electrolyte wherein the negative electrode comprises a negative electrode active material and a negative electrode current collector made of aluminum or aluminum alloy. Also disclosed is use of the negative electrode current collector made of aluminum or aluminum alloy as a negative electrode current collector of a sodium ion secondary battery.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6853/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COOLING PIPES&NBSP; ELECTRODE HOLDERS AND ELECTRODE FOR AN ARC PLASMA TORCH AND ASSEMBLIES MADE THEREOF AND ARC PLASMA TORCH COMPRISING THE SAME•

(51) International classification :H05H 1/34  
(31) Priority Document No :10 2009 016 932.6  
(32) Priority Date :08/04/2009  
(33) Name of riority country :Germany  
(86) International Application No :PCT/DE2010/000325  
Filing Date :24/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)Frank LAURISCH**  
**2)Volker KRINK**  
**3)Ralf-Peter REINKE**

(57) Abstract :

A cooling tube for an arc plasma torch comprising an elongate body with an end which can be arranged in the open end of an electrode and a coolant duct extending therethrough characterised in that at said end there is a bead-like thickening of the wall of the cooling tube pointing inwards and/or outwards and an arrangement of a cooling tube for an arc plasma torch comprising an elongate body with a rear end which can be releasably connected to an electrode holder of an arc plasma torch and a coolant duct extending therethrough and an electrode holder for an arc plasma torch comprising an elongate body with an end for receiving an electrode and a hollow interior and characterised in that on the outer surface of the cooling tube at least one projection is provided for centring the cooling tube in the electrode holder.

No. of Pages : 43 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.686/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR PRODUCING CANNED PRODUCT AND CANNED PRODUCT•

(51) International classification :B65D 49/12  
(31) Priority Document No :200910163842.8  
(32) Priority Date :12/08/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/075696  
Filing Date :04/08/2010  
(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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Address of Applicant :536 Rong Le Road (E.) Songjiang Industrial Zone Shanghai 201600 China  
(72)**Name of Inventor :**  
**1)LAI Guangde**

(57) Abstract :

A process for producing a canned product comprises the steps of: providing a can (1), a lid (2) and contents to be filled in the can (1), the can (1) having a mouth (13), and the lid (2) having an extension (21) that is able to fit the mouth (13) to seal the can (1); filling the can (1) with the contents; fitting the lid (2) in the mouth (13) of the can (1), such that the extension (21) of the lid (2) forms a fit with a sidewall (11) of the mouth (13). The process further comprises the step of forming at least one bulge (22) on one of the extension (21) of the lid (2) and the sidewall (11) of the mouth (13) after fitting the lid (2) in the mouth (13) of the can (1), wherein while the lid (2) is removed from the can (1), the convex surface of the at least one bulge (22) is engaged with the other of the extension (21) of the lid (2) and the sidewall (11) of the mouth (13) in such a way that the extension (21) and/or the sidewall (11) is destroyed. A canned product produced by the process is also disclosed.

No. of Pages : 13 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6861/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : HAND ACTUATED&NBSP; ARTICULATING DEVICE HAVING AN ELECTRIC FORCE ENHANCEMENT SYSTEM•

(51) International classification	:B25J 3/00
(31) Priority Document No	:61/177,063
(32) Priority Date	:11/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/034332
Filing Date	:11/05/2010
(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 :

**1)CAREFUSION 2200 INC.**

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(72)Name of Inventor :

**1)DOYLE Mark**

(57) Abstract :

An articulating device element and methods of operation thereof including a compensating force enhancement for compensating for any unwanted friction and/or other such resistance forces experienced by the device when being manipulated. Aspects of the present invention may be used in manufactunng construction assembly lines handling and disposing of hazardous matenals underwater manipulations handling high temperature matenals or any other environment where a user may be remote from the item being manipulated or may experience fatigue when operating a mechanical device.

No. of Pages : 37 No. of Claims : 24

(54) Title of the invention : GRANULATED POWDER CONTAINING VEGETABLE PROTEINS AND MALTODEXTRINS&NBSP; METHOD FOR PRODUCING SAME&NBSP; AND USES THEREOF• GRANULATED POWDER CONTAINING VEGETABLE PROTEINS AND MALTODEXTRINS&NBSP; METHOD FOR PRODUCING SAME&NBSP; AND USES THEREOF•

(51) International classification	:A23J 1/14	(71)Name of Applicant :
(31) Priority Document No	:0951294	<b>1)ROQUETTE FRERES</b>
(32) Priority Date	:02/03/2009	Address of Applicant :F-62136 Lestrem France
(33) Name of priority country	:France	(72)Name of Inventor :
(86) International Application No	:PCT/FR201/050328	<b>1)BOURSIER Bernard</b>
Filing Date	:25/02/2010	<b>2)PASSE Damien</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

The present invention relates to a granulated powder that includes at least one protein of vegetable origin and at least one starch hydrolysate characterised in that it has an average volumetric D4 3 laser diameter of between 10 µm and 500 µm preferably between 50 µm and 350 µm and more preferably between 70 µm and 250 µm and as determined after drying at 130°C for 2 hours more than 80% of a dry material preferably more than 85% and more preferably more than 90%. The present invention also relates to a method for producing said granulated powder and to the use thereof in different industrial fields and more particularly in the agri-food field where it can be used as a functional agent such as an emulsifying bulking stabilising thickening and/or gelling agent in particular for partially or totally replacing certain animal proteins in the preparation of food products.

No. of Pages : 76 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6863/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ELECTRICAL CONNECTOR

(51) International classification :H01R 25/16

(31) Priority Document No :12/395,502

(32) Priority Date :27/02/2009

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

(86) International Application No :PCT/US2010/025082

Filing Date :23/02/2010

(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**

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Kingston Rhode Island 02892 U.S.A.

(72)Name of Inventor :

**1)ANDERSEN Claus Aabjerg**

**2)BONDE Preben**

(57) Abstract :

An electrically conductive fork includes first and second arm members each having an electrical contact and a pivot portion the pivot portion configured to receive a portion of a rod where the first and second arm members are configured to pivot around the rod and a connector mechanically connecting the first and second arm members in fixed relation to each other prior to insertion of a busbar between the electrical contacts where the connector is configured to yield to a force imparted on the connector and allow the first and second arm members to pivot around the rod in response to insertion of the busbar between the electrical contacts and the insertion of the bus bar causes the electrical contacts to separate and pivot the first and second arm members around the rod and impart the force on the connector.

No. of Pages : 30 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6864/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO DATA CENTERS

(51) International classification :G06F 1/20

(31) Priority Document No :12/432,170

(32) Priority Date :29/04/2009

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

(86) International Application No :PCT/US2010/032809

Filing Date :28/04/2010

(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)HEWLETT-PACKARD DEVELOPMENT COMPANY  
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(72)Name of Inventor :

**1)ROBERT TOZER**

**2)CULLEN BASH**

**3)CHANDRAKANT PATEL**

(57) Abstract :

According to one embodiment a data center comprises a first data center section comprising one or more equipment element elements. Each computer element has one or more heat generating sources. A second data center section comprises a heat exchanger the second data center section being substantially segregated from the first section. A heat transfer element is thermally coupled to at least some of the heat generating sources and is further thermally coupled to the heat exchanger.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6865/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DITHERED HOLOGRAPHIC FRONTLIGHT

(51) International classification :G03H 1/22  
(31) Priority Document No :12/409,289  
(32) Priority Date :23/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028161  
Filing Date :22/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)QUALCOMM MEMS Technologies Inc.**  
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**1)SAMPSELL Jeffrey Brian**  
**2)MIENKO Marek**

(57) Abstract :

A reflective or transmissive hologram may be used to extract light from a waveguide. The hologram may be formed by separately exposing each of a plurality of areas of a holographic medium with object beams and/or reference beams having attributes (e.g. illumination angles) that vary randomly or pseudorandomly over the entire hologram. The areas may be contiguous (e.g. in a tiled pattern) or overlapping. In some embodiments the spacing and/or orientation of the diffraction gratings may vary from area to area. For example the spacing and/or orientation of the diffraction gratings may vary randomly or pseudorandomly from area to area. Some parts of the hologram may intentionally be made relatively more or relatively less efficient at extracting light from the waveguide.

No. of Pages : 53 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6866/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TIME-TO-DIGITAL CONVERTER (TDC) WITH IMPROVED RESOLUTION

(51) International classification :H03M 1/50

(31) Priority Document No :61/164,816

(32) Priority Date :30/03/2009

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

(86) International Application No :PCT/US2010/029099

Filing Date :29/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)**Name of Inventor :**

**1)WANG Kevin H.**

**2)PALAKURTY Saru**

**3)BOSSU Frederic**

(57) Abstract :

A time-to-digital converter (TDC) with fine resolution of less than one inverter delay is described. In an exemplary design the TDC includes first and second delay paths a delay unit and a phase computation unit. The first delay path receives a first input signal and a first reference signal and provides a first output. The second delay path receives a second input signal and a second reference signal and provides a second output. The delay unit delays the second input signal relative to the first input signal or delays the second reference signal relative to the first reference signal e.g. by one half inverter delay. The phase computation unit receives the first and second outputs and provides a phase difference between the input signal and the reference signal. Calibration may be performed to obtain accurate timing for the first and second delay paths.

No. of Pages : 50 No. of Claims : 39



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6867/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :22/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : WIDEBAND JAMMER DETECTOR

(51) International classification :H03F 1/08  
(31) Priority Document No :61/165,090  
(32) Priority Date :31/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029517  
Filing Date :31/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**

**1)MUTHALI Harish S.**

**2)SEN Shreyas**

(57) Abstract :

Techniques for detecting jammer signals in a received signal are described. In one aspect high-speed current mirror resistive compensation circuits and output impedance boosting circuits are utilized to increase amplifier bandwidth in an improved wideband amplifier circuit. In another aspect a dual transistor configuration including common source topology averaging capacitors and a comparator circuit is utilized to improve the sensing of signal peaks in a peak detector block which can be used together with the wideband amplifier circuit and a digital jammer detection circuit to detect jammer signals. The digital jammer detection circuit aids in the determination of the presence of jammer signals within the received signal the determination of which may be variable due to programmability of the digital jammer detection circuit as described.

No. of Pages : 36 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6869/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ELECTROHYDRAULIC PROSTATE TISSUE TREATMENT PROBE•

(51) International classification	:A61N 1/20	(71)Name of Applicant :
(31) Priority Document No	:200910010438.7	<b>1)JIANG Qijun</b>
(32) Priority Date	:24/02/2009	Address of Applicant :No.1-29-4 No.2 Building No.165
(33) Name of priority country	:China	QingNianDa Street Shenhe Shenyang Liaoning 110015 P. R.
(86) International Application No	:PCT/CN2010/070195	China
Filing Date	:15/01/2010	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)JIANG Qijun</b>
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An electrohydraulic prostate tissue treatment probe comprises a probe pipe body (10). A drainage channel (2-1) a water-injection channel (1-1) a gas-injection channel (3-1) and a cathode channel (5) are arranged in the probe pipe body (10) along the axial direction. The front end of the probe pipe body (10) is a guiding head (9) behind which a positioning balloon (8) is arranged. An external cathode electrode (7) is wound tightly around the probe pipe body (10) on the rear side of the positioning balloon (8). The leading-out end of the external cathode electrode (7) is connected with a cathode plug (A) through the cathode channel (5). An external anode electrode (6) is arranged between the positioning balloon (8) and the cathode electrode (7) and is wound around the probe pipe body (10) by at least one circle. The external anode electrode (6) is kept at a distance from the cathode electrode (7). The leading-out end of the external anode electrode (6) is connected with an anode plug (B) through the drainage channel (2-1).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.687/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : TAMPER-EVIDENT CLOSURE FOR A BOX WITH ALARM SENSOR•

(51) International classification :B65D 5/66

(31) Priority Document No :09013291.1

(32) Priority Date :21/10/2009

(33) Name of priority country :EPO

(86)International Application No :PCT/EP2010/064925

Filing Date :06/10/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)M.,,NNIKK– Ari**

(57) Abstract :

The present invention provides a tamper-evident closure of a box (300) with alarm sensor providing a latch (107 104) with at least one side flap (108 106) and an opening (111 113) wherein the width of the opening is smaller than the width of the latch and the expandable at least one side flap; wherein the at least one side flap is foldable prior insertion into the opening; wherein the at least one side flap is expandable after insertion into the opening; and wherein the latch and/or at least one side flap are provided with at least one layer of an electrical conducting material.

No. of Pages : 26 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6870/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : INNER MAGNETIC TRANSDUCER WITH MULTIPLE MAGNETIC GAPS AND MULTIPLE COILS AND PREPARATION METHOD THEREOF

(51) International classification	:H04R 9/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SHENZHEN NEW ELECTRIC SCIENCE AND TECHNOLOGY CO. LTD</b>
(32) Priority Date	:NA	Address of Applicant :RM. 1325 Tianjian Building 7#
(33) Name of priority country	:NA	Shangbao Road Futian Shenzhen Guangdong 518034 China
(86) International Application No	:PCT/CN2009/070507	(72) <b>Name of Inventor :</b>
Filing Date	:23/02/2009	<b>1)Fan ZHANG</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 inner magnetic transducer with multiple magnetic gaps and multiple coils and a preparation method thereof. The inner magnetic transducer with multiple magnetic gaps and multiple coils includes a non-magnetic material frame and a non-magnetic material bearer frame. The inner magnetic transducer with multiple magnetic gaps and multiple coils includes two or more coaxial annular magnetic gaps with the same diameter value two suits of symmetric magnetic paths and a symmetric coil. In the transducer enwinding direction connection mode and parameters of coils are decided in order to ensure that the value of the inductance of coils and the opposing electromotive force obtained during the process of moving to and fro are counteracted by each other. The inner magnetic transducer with multiple magnetic gaps and multiple coils has resistance load character or approximately has a resistance load character simultaneously has high sensitivity high analytic capability and high fidelity.

No. of Pages : 81 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6874/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : EVENT RECOGNITION

(51) International classification :G06F 9/44  
(31) Priority Document No :61/210,332  
(32) Priority Date :16/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/027118  
Filing Date :12/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :1 Infinite Loop Cupertino California  
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(72)Name of Inventor :

**1)Bradford Allen MOORE**

**2)Joshua H. SHAFFER**

(57) Abstract :

A method executes software including a view hierarchy with a plurality of views which displays one or more views of the view hierarchy. The method executes software elements associated with a particular view wherein each particular view includes event recognizers. Each event recognizer has an event definition based on sub-events and an event handler that specifies an action for a target and is configured to send the action to the target in response to an event recognition. The method detects a sequence of sub-events and identifies one of the views of the view hierarchy as a hit view that establishes which views in the hierarchy are actively involved views. The method delivers a respective sub-event to event recognizers for each actively involved view wherein each event recognizer for actively involved views in the view hierarchy processes the respective sub-event prior to processing a next sub-event in the sequence of sub-events.

No. of Pages : 54 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.688/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : VIRAL ADVERTISEMENTS

(51) International classification :G06Q30/00  
(31) Priority Document No :12/538,937  
(32) Priority Date :11/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/044830  
Filing Date :09/08/2010  
(87) International Publication No :WO 2011/019628 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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**2)SHARPE, TIMOTHY D.**  
**3)GARMS, JASON**  
**4)DUNN, MELISSA W.**  
**5)KHUNE, ABHIRAM G.**

(57) Abstract :

The claimed subject matter provides systems and/or methods for propagating viral advertising content to multiple mobile devices without utilizing an intermediary interposing hosting and/or distribution service. The system includes devices that receive viral advertising content on a mobile device, modify the viral advertising content with further viral advertising content previously received from a disparate mobile device, determine sets of recipients to whom the modified viral advertising content can be perceived as compelling, and disseminates the modified viral advertising content to the sets of recipients each of whom can be associated with a disparate mobile device.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6889/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : VEHICLE MOUNTED ELECTRONIC DEVICE

(51) International classification :G08B21/02  
(31) Priority Document No :2009-073937  
(32) Priority Date :25/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2008/072415  
Filing Date :10/12/2008  
(87) International Publication No :WO 2009/075294  
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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MORIGUCHI-SHI, OSAKA 570-8677 Japan

**2)SANYO CONSUMER ELECTRONICS CO., LTD.**

(72)Name of Inventor :

**1)WATANABE, RYO**

(57) Abstract :

Disclosed is a vehicle-mounted electronic device provided with an input unit which designates a destination, an incident-prone area storage unit in which incident-prone area data is stored, a report unit, and a control unit, wherein incident occurrence rates in a plurality of time zones in each of areas or incident occurrence rates in a plurality of time zones in each of facilities within each of the areas are stored in the incident-prone area storage unit, and the control unit calculates the predicted time of arrival at the designated destination, and when detecting that the incident occurrence rate in the area in which the destination is located or the incident occurrence rate in the destination is a preset predetermined value or more in a time zone of a predetermined time period later than the calculated predicted time, causes the report unit to make a report.

No. of Pages : 32 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6891/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

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

(51) International classification :G06Q20/00

(31) Priority Document No :61/155,479

(32) Priority Date :25/02/2009

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

(86) International Application No :PCT/US2010/025458

Filing Date :25/02/2010

(87) International Publication No :WO 2010/099352 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)GRANT NEERINGS**

**2)RONALD W. SANDSTROM**

**3)PAUL E. VASIL**

**4)LUDWIK F. ZON**

(57) Abstract :

A payment system and method employing wireless capability where a wireless-enabled device carried by a purchaser communicates with a wireless-enabled transaction terminal. The two devices communicate with each other to exchange transaction data to effect the transaction and exchange additional information that supports and expands the transaction event.

No. of Pages : 63 No. of Claims : 27



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6893/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SPUR ATTENUATION DEVICES, SYSTEMS, AND METHODS

(51) International classification :H04B1/10  
(31) Priority Document No :61/164,269  
(32) Priority Date :27/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028738  
Filing Date :25/03/2010  
(87) International Publication No :WO 2010/111542 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)VLADIMIR APARIN**

**2)NAMSOO KIM**

**3)LENNART K. MATHE**

(57) Abstract :

Exemplary embodiments of the invention disclose signal filtering. In an exemplary embodiment, a filter device may comprise a subtractor operably coupled between an input and an output and configured to receive an input signal comprising a desired component and at least one undesired frequency component. The filter device may further include a feedback loop configured to receive at least one of the input signal and an output signal from the subtractor and convey a feedback signal comprising at least one undesired component to the subtractor. Each undesired component of the feedback signal corresponds to an associated undesired component of the input signal. Furthermore, the subtractor subtracts the feedback signal from the input signal and convey the output signal

No. of Pages : 32 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6909/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PLATFORM OR USER SENSITIVE ADVERTISING

(51) International classification	:G06Q30/00
(31) Priority Document No	:12/411,153
(32) Priority Date	:25/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/025967
Filing Date	:02/03/2010
(87) International Publication No	:WO 2010/111000 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)DUNBAR, PATRICIA L.**

(57) Abstract :

In accordance with one or more aspects of the platform or user sensitive advertising, appropriate ads to be served for playback via a platform are identified based at least in part on one or more platform rules for the platform. The timing of when the appropriate ads are to be served can also be based at least in part on the one or more platform rules for the platform. In accordance with other aspects of the platform or user sensitive advertising, a next ad of an ad campaign that is to be presented to a user is identified based at least in part on one or more ads in the ad campaign that have previously been played back via one or more platforms regardless of which of the one or more platforms were being used by the user while playing back the one or more ads.

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

(54) Title of the invention : PROCESS FOR PRODUCTION OF PEPTIDE THIOESTER

(51) International classification	:C07K 1/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:2009-151713	<b>1)OTSUKA CHEMICAL CO. LTD.</b>
(32) Priority Date	:26/06/2009	Address of Applicant :2-27 Otedori 3-chome Chuo-ku
(33) Name of priority country	:Japan	Osaka-shi Osaka 540-0021 Japan
(86) International Application No	:PCT/JP2010/060443	(72) <b>Name of Inventor :</b>
Filing Date	:21/06/2010	<b>1)KAJIHARA Yasuhiro</b>
(87) International Publication No	: NA	<b>2)OKAMOTO Ryo</b>
(61) Patent of Addition to Application	:NA	<b>3)SAKAMOTO Izumi</b>
Number	:NA	<b>4)ISHII Kazuyuki</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided is a novel process for chemically converting a peptide chain into a peptide thioester. The inventors paid attention to the cysteine residue of a peptide chain. As a result the following has been found. When a C(=X)-R1 group is introduced to the thiol group of the cysteine residue and then the resulting peptide is reacted with a compound having a leaving group represented by the formula: -NH-C(=Y)NHR3 in an organic solvent the -NH-C(=Y)NHR3 group binds via addition reaction to the carboxyl group of the N-terminal-side peptide bond of the cysteine residue whereby the peptide bond is cleaved and the C-terminal-side peptide fragment is cut off.

No. of Pages : 76 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.692/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD OF CURING A COATING COMPOSITION COMPRISING A RADICAL CURABLE COMPOUND AND AN ORANOBORANE-AMINE COMPLEX

(51) International classification :C09D 4/00  
(31) Priority Document No :61/220,927  
(32) Priority Date :26/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/058773  
Filing Date :22/06/2010  
(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)BASF SE**  
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(72)**Name of Inventor :**  
**1)GUTOWSKI Keith E.**  
**2)OHRBOM Walter H.**  
**3)CRANFILL David**  
**4)CAMPBELL Donald H.**

(57) Abstract :

A method of curing a coating composition and a method of forming a cured coating on an automobile component are provided. The coating composition comprises a radical polymerizable compound and an organoborane-amine complex having an organoborane initiator an amine blocking agent and water. The method of curing the coating composition comprises the steps of combining the organoborane-amine complex the radical polymerizable compound and water to form the coating composition. Carbon dioxide is introduced into the coating composition or into a composition including at least one of the organoborane-amine complex the radical polymerizable compound and water prior to forming the coating composition. Carbonic acid is formed in situ within the coating composition through reaction of the water and carbon dioxide. The organoborane-amine complex is decomplexed with the carbonic acid thereby separating the organoborane initiator and the amine blocking agent. The radical polymerizable compound is polymerized using the organoborane initiator in the presence of oxygen.

No. of Pages : 32 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6924/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TAPE CASSETTE AND TAPE PRINTER

(51) International classification :B41J 15/04  
(31) Priority Document No :2009-088241  
(32) Priority Date :31/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/002170  
Filing Date :26/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

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**2)SAGO Akira**

**3)HORIUCHI Takashi**

**4)KATO Tsutomu**

**5)IMAMAKI Teruo**

**6)SHIBATA Yasuhiro**

**7)MURATA Susumu**

**8)NODA Kengo**

(57) Abstract :

A tape cassette 30 includes a cassette case 31 a film tape 59 mounted in the cassette case 31 a head insertion portion 39 and support receiving portions 391 and 392. When the tape cassette 30 is installed in the tape printer 1 a head holder 74 is inserted into the head insertion portion 39. The support receiving portions 391 and 392 are respectively connected to an upstream end and a downstream end of the head insertion portion 39 in a feed direction of the film tape 59 facing the head insertion portion 39. The head holder 74 has cassette support portions 741 and 742 on a right edge portion and a left edge portion respectively. When the tape cassette 30 is installed in the tape printer 1 the cassette support portions 741 and 742 respectively support the support receiving portions 391 and 392 from underneath.

No. of Pages : 175 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6925/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TAPE CASSETTE AND TAPE PRINTER

(51) International classification :B41J 15/04  
(31) Priority Document No :2009-086172  
(32) Priority Date :31/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/002169  
Filing Date :26/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)YAMAGUCHI Koshiro**  
**2)SAGO Akira**

(57) Abstract :

A cassette case 31 of a tape cassette 30 has a roller support hole and a guide hole 47 provided at diagonal positions in a plan view. A first tape spool 40 wound with a heat-sensitive paper tape 55 is disposed within the cassette case 31 in a first area of the cassette case 31 at the rear side of a division line K. The cassette case 31 has a first tape support hole that faces a shaft hole of the first tape spool 40. When the tape cassette 30 is installed in or removed from a cassette housing portion 8 of a tape printer 1, three shafts provided in the cassette housing portion 8 are respectively inserted in the roller support hole, the guide hole 47, and the first tape support hole. The tape cassette 30 is stably guided along the three shafts in an installation/removal direction

No. of Pages : 113 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6926/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : HEADSET-BASED TELECOMMUNICATIONS PLATFORM

(51) International classification :H04N 7/14  
(31) Priority Document No :61/208,783  
(32) Priority Date :27/02/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/025603  
Filing Date :26/02/2010  
(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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**3)Bradley Brian BUSHARD**

**4)Mark Joseph MEYER**

**5)James FISHER**

**6)Nitin PATIL**

**7)Mohammad RAHMAN**

**8)Ben YOUNG**

**9)Daniel JOHNSON**

(57) Abstract :

A hands-free wireless wearable GPS enabled video camera and audio-video communications headset mobile phone and personal media player capable of real-time two-way and multi-feed wireless voice data and audio-video streaming telecommunications and teleconferencing coordinated applications and shared functionality between one or more wirelessly networked headsets or other paired or networked wired or wireless devices and optimized device and data management over multiple wired and wireless network connections. The headset can operate in concert with one or more wired or wireless devices as a paired accessory as an autonomous hands free wide area metro or local area and personal area wireless audio-video communications and multimedia device and/or as a wearable docking station hot spot and wireless router supporting direct connect multi-device ad-hoc virtual private networking (VPN). The headset has built-in intelligence to choose amongst available network protocols while supporting a variety of on board and remote operational controls.

No. of Pages : 90 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6927/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR EFFICIENT ASSOCIATION PROCEDURE

(51) International classification :H04W74/08

(31) Priority Document No :61/169,534

(32) Priority Date :15/04/2009

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

(86) International Application No :PCT/US2010/031309

Filing Date :15/04/2010

(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 :

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Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
U.S.A.

(72)Name of Inventor :

**1)BRACHA Vered Bar**

(57) Abstract :

Certain aspects of the present disclosure relate to a method for efficient ad-hoc peer to peer communication in a contention access period while antenna directions of communicating peers can point to each other. Certain aspects of the present disclosure relate to a method for improved association of a device in a wireless network with a controller of the network.

No. of Pages : 62 No. of Claims : 40



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6928/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR EFFICIENT CONTROL DECODING FOR TRANSPARENT RELAYING OPERATION IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L 1/00  
(31) Priority Document No :61/163,424  
(32) Priority Date :25/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028715  
Filing Date :25/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
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(72)Name of Inventor :

**1)CHEN Wanshi**

**2)KHANDEKAR Aamod D.**

**3)MONTJO Juan**

**4)GOROKHOV Alexei**

**5)BHUSHAN Naga**

(57) Abstract :

Systems and methodologies are described herein that facilitate efficient control decoding to facilitate management of cooperative relay operation in a wireless communication environment. As described herein a relay node (RN) and/or another entity cooperating with a serving network node for respective users in a potentially assisted group can prune a search space of control decoding candidates corresponding to the respective users. For example respective control decoding candidates corresponding to e.g. common and/or user-specific search spaces aggregation levels control channel sizes etc. can be eliminated from a reduced control search space based on various criteria. Further sets of control decoding candidates corresponding to res...

No. of Pages : 55 No. of Claims : 50

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6929/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : AD-HOC DIRECTIONAL COMMUNICATION IN CONTENTION ACCESS PERIOD

(51) International classification :H04W 74/08

(31) Priority Document No :61/169,534

(32) Priority Date :15/04/2009

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

(86) International Application No :PCT/US2010/031305

Filing Date :15/04/2010

(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 :

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(72)Name of Inventor :

**1)BRACHA Vered Bar**

(57) Abstract :

Certain aspects of the present disclosure relate to a method for efficient ad-hoc peer to peer communication in a contention access period while antenna directions of communicating peers can point to each other. Certain aspects of the present disclosure relate to a method for improved association of a device in a wireless network with a controller of the network.

No. of Pages : 72 No. of Claims : 89

(12) PATENT APPLICATION PUBLICATION

(21) Application No.693/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVED CONTAINER LABELS

(51) International classification :G09F 3/02

(31) Priority Document No :12/492,733

(32) Priority Date :26/06/2009

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

(86) International Application No :PCT/US2010/039452

Filing Date :22/06/2010

(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)LABCON NORTH AMERICA**

Address of Applicant :3700 Lakeville Highway Petaluma  
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(72)Name of Inventor :

**1)NEWMAN Linda**

**2)HAPP Venus**

**3)HAPP Jim**

**4)MOULTON Tom**

(57) Abstract :

Improved labels are disclosed for containers of the type defined at least in part by at least one sidewall having an outer surface. The outer surface has at least one label thereon the label comprising a first writing surface defined by a plurality of individual writing areas arranged in an array characterized in that adjacent writing areas are at least substantially isolated from each other by an intermediate space and a second writing surface in the intermediate space. The second writing surface is vertically recessed relative to the first writing surface.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6930/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ACCESSORY AND MOBILE COMPUTING DEVICE COMMUNICATION USING AN APPLICATION COMMUNICATION PROTOCOL

<p>(51) International classification :H04J 3/16 (31) Priority Document No :61/160,601 (32) Priority Date :16/03/2009 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2010/027058 Filing Date :11/03/2010 (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA</p>		<p>(71)Name of Applicant : <b>1)Apple Inc</b> Address of Applicant :1 Infinite Loop MS 40-PAT Cupertino California 95014 U.S.A. (72)Name of Inventor : <b>1)HOLDEN Paul</b> <b>2)BOLTON Lawrence G.</b> <b>3)GANATRA Nitin</b> <b>4)ADLER Mitchell</b> <b>5)SCHUBERT Emily Clark</b> <b>6)DOROGUSKER Jesse Lee</b> <b>7)TOPRANI Shyam S.</b> <b>8)ANANNY John M.</b> <b>9)LANGENFELD Peter T.</b> <b>10)KRUEGER Scott</b></p>
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(57) Abstract :

Embodiments of the present invention provide various communication techniques for communication between a mobile computing device and an accessory. An accessory protocol that is generic to the mobile computing device can be used for some communication. An application executing at the mobile computing device can communicate with the accessory using an application communication protocol. In some embodiments the application communication protocol can be different from the accessory communication protocol. In other embodiments the application protocol may only be recognized by the application and the accessory. In some embodiments messages conforming to an application protocol can be communicated between the application and the accessory by packaging the messages inside a message conforming to the accessory communication protocol.

No. of Pages : 97 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(21) Application No.694/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PHOTOTRANSISTOR AND DISPLAY DEVICE INCLUDING THE SAME

(51) International classification	:H01L 31/10	(71)Name of Applicant :
(31) Priority Document No	:2009-152797	<b>1)SHARP KABUSHIKI KAISHA</b>
(32) Priority Date	:26/06/2009	Address of Applicant :22-22 Nagaike-cho Abeno-ku
(33) Name of priority country	:Japan	Osaka-shi Osaka 545-8522 Japan
(86) International Application No	:PCT/JP2010/000578	(72)Name of Inventor :
Filing Date	:01/02/2010	<b>1)KITAGAWA Hideki</b>
(87) International Publication No	: NA	<b>2)IMAI Hajime</b>
(61) Patent of Addition to Application	:NA	<b>3)MURAI Atsuhito</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A phototransistor includes a source electrode and a gate electrode which have the same electric potential a transparent electrode formed on a surface of an interlayer insulating film so as to be located above a channel region and a refresh controller for reducing a charge accumulated in a portion of the channel region the portion facing the transparent electrode by applying a voltage between the transparent electrode and the gate electrode and the source electrode.

No. of Pages : 28 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6946/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : BEARING ASSEMBLY

(51) International classification	:H02K 5/124	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)ABB AB</b>
(32) Priority Date	:NA	Address of Applicant :KOPPARBERG SVAGEN 2, SE-721
(33) Name of priority country	:NA	83 VASTERAS Sweden
(86) International Application No	:PCT/EP2009/053569	(72) <b>Name of Inventor :</b>
Filing Date	:26/03/2009	<b>1)ISBERG, PETER</b>
(87) International Publication No	:WO 2010/108544	<b>2)LINDBERG, PER-OLOF</b>
	A2	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A bearing assembly for an electrical motor (1), comprising a shaft (2), a housing, and a main bearing (3) between the shaft (2) and the housing, wherein the shaft (2) is surrounded by a rigid sleeve (11) for functioning as an auxiliary bearing in case of a breakdown of the main bearing (3) and as a grease sealing under normal operation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6947/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND COMPUTER PROGRAM PRODUCT FOR ENABLING ORGANIZATION OF MEDIA OBJECTS

(51) International classification :G06F 17/30

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/IN2009/000304

Filing Date :26/05/2009

(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)PRASENJIT DEY**

**2)SRIGANESH MADHVANATH**

**3)RAMA VENNELAKANTI**

(57) Abstract :

A method for enabling organization of a plurality of media objects is disclosed. The method comprises playing a digital media object to a user; capturing the interaction of the user with the played digital media object; and tagging the played digital media object based on said interaction. A software program product implementing this method a system comprising the software program product and a digital media object tagged in accordance with this method are also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.695/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : X-RAY IMAGING APPARATUS AND X-RAY IMAGING METHOD

(51) International classification :G01T 1/164  
(31) Priority Document No :2009-173452  
(32) Priority Date :24/07/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/062972  
Filing Date :23/07/2010  
(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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**1)WATANABE Masatoshi**  
**2)MUKAIDE Taihei**  
**3)TAKADA Kazuhiro**  
**4)FUKUDA Kazunori**

(57) Abstract :

An X-ray imaging apparatus and an X-ray imaging method for use in the X-ray imaging apparatus are provided. The X-ray imaging apparatus includes a separating element configured to spatially separate an X-ray generated by an X-ray generator unit and a scintillator array including a plurality of first scintillators arranged therein where the separated X-rays are made incident on the first scintillators. Each of the first scintillators is configured to vary an intensity of fluorescence induced by the X-ray in accordance with an incident position of the X-ray. The X-ray imaging apparatus further includes a detector configured to detect the intensity of fluorescence emitted from the scintillator array.

No. of Pages : 71 No. of Claims : 12



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6952/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMMUNICATION TERMINAL CONTROL SYSTEM

(51) International classification	:H04M1/00
(31) Priority Document No	:2009-077853
(32) Priority Date	:26/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/054751
Filing Date	:15/03/2010
(87) International Publication No	:WO 2010/110188
	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)KIKKAWA, YASUSHI**

(57) Abstract :

The present invention makes it possible to perform the setting, editing and browsing of various data on a mobile phone from an external device. A mobile phone is equipped with a wireless communication function and a web browser function. When the wireless communication function of the mobile phone has been accessed from a personal computer (PC) via wireless communication, the web browser function of the mobile phone is launched, and menus are displayed on a browser screen. Accordingly, a menu displayed on a browser screen can be selectively displayed, and a setting change or an editing of desired information can be performed, both from the PC. Further, the menu displayed on a browser screen can be browsed from the PC.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6955/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR TREATING BIO-ORGANIC AND WASTEWATER SLUDGES

(51) International classification :C05F 7/00  
(31) Priority Document No :2,656,390  
(32) Priority Date :27/02/2009  
(33) Name of priority country :Canada  
(86) International Application No :PCT/CA2010/000194  
Filing Date :11/02/2010  
(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)MILLS Grant H.**  
**2)SAMPSON Robert**  
**3)WALLIN Rae E.**

(57) Abstract :

An improved process of treating sludge to provide a stable product for use as a beneficial soil or fertilizer for agricultural lands which includes the steps (a) mixing the sludge with at least a first alkaline material and a second alkaline material in an amount sufficient to (i) raise the solids content of the mixed material to at least 50% W/W; (ii) raise the pH to at least 12; and (iii) raise the temperature to at least 70°C by exothermic reaction of the alkaline materials with the water in the sludge; and (b) pasteurizing the mixed material at (i) at least 70°C for at least 30 mins. and at least pH12 for at least 2 hrs.; and (ii) at least pH 11.5 for an additional 22 hrs. to provide the stable pasteurized product. The process and apparatus is readily adapted for mobility on suitable transportation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6956/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD OF FACILITATING ON-LINE PURCHASE OF CLOTHING

(51) International classification :A47F 8/00  
(31) Priority Document No :2009900885  
(32) Priority Date :27/02/2009  
(33) Name of priority country :Australia  
(86) International Application No :PCT/AU2010/000225  
Filing Date :27/02/2010  
(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)GENNADY VOLCHEK**

(57) Abstract :

A mannequin (10b) including a body which substantially resembles that of a human with an outer contour defined over at least part of the body by a plurality of devices (32) that extend and/or retract relative to the body and a data interface operably connected to the plurality of devices (32) such that they extend and/or retract to define a contour according to data received from the interface wherein the received data represents the outer physical dimensions of a customer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6957/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : HYBRID ENERGY STORAGE SYSTEM&NBSP; RENEWABLE ENERGY SYSTEM INCLUDING THE STORAGE SYSTEM&NBSP; AND METHOD OF USING SAME•

(51) International classification :H02J 7/00  
(31) Priority Document No :61/165,851  
(32) Priority Date :01/04/2009  
(3) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029643  
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 :

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(72)Name of Inventor :

**1)Randy MOORE**

**2)Ron NOWLIN**

**3)Viet VU**

**4)Michael PARROT**

**5)Jeff DERMOTT**

**6)Gregory MILLER**

(57) Abstract :

This disclosure generally relates to stabilizing energy provided by an energy source and more particularly to systems and methods for using multiple types of energy storage devices to selectively capture and provide energy. An energy source provides energy and the energy storage devices selectively capture energy provided by the energy source in excess of an immediate energy requirement of a load and selectively provide energy when the immediate energy requirement of the load exceeds the energy provided by the energy source.

No. of Pages : 77 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6958/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A DEVICE FOR FUELING LAUNCHER THRUSTERS•

(51) International classification :B64G 5/00  
(31) Priority Document No :0951958  
(32) Priority Date :30/03/2009  
(33) Name of priority country :France  
(86) Internatioal Application No :PCT/FR2010/050557  
Filing Date :26/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**

**1)BOUTET Eric**

**2)PATTYN Jean-Luc**

**3)MEYER Francis**

(57) Abstract :

The invention relates to a fueling device for fueling the thrusters of a launcher. In characteristic manner the device comprises: a ground module (20) comprising at least: a ground pipe (22); a ground valve (21); and a ground plate (26) provided with a ground passage (28); an on-board module (30) comprising at least: an on-board pipe (38); an on-board valve (36); and an on-board plate (32) provided with an on-board passage (34); and...

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6959/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR ALLOCATING AND TRANSMITTING UPLINK DATA BLOCK TRANSMISSIONS

(51) International classification :H04W 72/12

(31) Priority Document No :61/162,567

(32) Priority Date :23/03/2009

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

(86) International Application No :PCT/CA2010/000386

Filing Date :23/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)CONWAY Dennis**

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**3)HOLE David Philip**

(57) Abstract :

Systems and methods for allocating and transmitting uplink data block transmissions with piggy-backed ACK/NACK bitmap field are provided. The systems and methods involve using a request for a DBCCI (Data Block Combined with Control Information) to allocate a time slot for data transmission. A UADB (uplink allocation for data block) is not also used to allocate the timeslot.

No. of Pages : 55 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.696/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : LIGHT ASSEMBLY

(51) International classification :F21S 8/10  
(31) Priority Document No :61/227,304  
(32) Priority Date :21/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/042548  
Filing Date :20/07/2010  
(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

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**2)ENDER David A.**  
**3)NAPIERALA Mark E.**  
**4)CARPENTER Barry S.**

(57) Abstract :

Light assembly having reflector a light source an outer light cover having a first color zone and a second different color or clear zone and an inner lens with a transfective surface. Embodiments of light assemblies described herein are useful for example as signs backlights displays task lighting luminaire and vehicle (e.g. cars trucks airplanes etc.) components. Vehicle comprising light assemblies include those where the light assembly is a vehicle tail light assembly.

No. of Pages : 39 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6960/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS AND SYSTEM FOR ALLOCATING DOWNLINK POWER

(51) International classification :H04W 52/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/070827  
Filing Date :17/03/2009  
(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)XIAO Dengkun**  
**2)LI Qiang**

(57) Abstract :

A downlink power distributing method apparatus and system are provided in the embodiments of the present invention which can resolve the question of downlink power distributing of the carrier aggregation technical in CoMP environment. The method includes that: the power distributing is calculated according to the measure parameter of the reference signal reported by terminal and the physical resource number in the measure bandwidth corresponding to every aggregation wave band transmitted from the dependent base station and the energy distributed in every resource block of the reference signal corresponding to every aggregation wave band and the calculated power distributing is transmitted to the dependent base station and the energy information corresponding to the reference signal which is corresponding to every aggregation wave band of dependent evolved base station is transmitted to the user device. The present invention is applicable to the downlink power distributing.

No. of Pages : 26 No. of Claims : 14



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6965/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMAGE READING APPARATUS AND IMAGE FORMING APPARATUS

(51) International classification :H04N1/04  
(31) Priority Document No :2009-048368  
(32) Priority Date :02/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/051086  
Filing Date :28/01/2010  
(87) International Publication No :WO 2010/100980  
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)TANAKA, KENJI**  
**3)NAKANISHI, KENJI**  
**4)FUKUTOME, SHOHICHI**

(57) Abstract :

An image reading apparatus comprises an image reading unit that includes a platen glass and a color contact image sensor configured by a line image sensor for reading red, a line image sensor for reading green, and a line image sensor for reading blue, the line image sensors being disposed in a sub-scanning direction of an original; and an automatic original feeder. In the image reading apparatus, the line image sensor for reading red and the line image sensor for reading green are disposed so that a line gap therebetween is two lines, and in a monochrome mode in which a color original is read and output as a monochrome image, the color original is read using the line image sensor for reading red and the line image sensor for reading green.

No. of Pages : 45 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.697/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION METHOD

(51) International classification :H04J 99/00  
(31) Priority Document No :2009-173369  
(32) Priority Date :24/07/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/004459  
Filing Date :08/07/2010  
(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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(72)**Name of Inventor :**  
**1)KISHIGAMI Takaaki**

(57) Abstract :

Abias of reception qualities between spatial streams to a plurality of terminal devices is suppressed in a multiuser MIMO transmission. A wireless communication device according to the invention is one for performing a spatial multiplexing transmission to the plurality of terminal devices that includes an additional data area setting section that allocates as an additional data area a part of a resource allocation area to which no data addressed to each terminal device of the plurality of terminal devices is allocated among resource allocation areas for the spatial multiplexing transmission which are allocated to each terminal device of the plurality of terminal devices an additional data generator that generates additional data corresponding to the additional data area allocated by the additional data area setting section and a transmitter that transmits the data which is addressed to each of the plurality of terminal devices and the additional data.

No. of Pages : 72 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6979/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND FORMAT FOR ENCODING DATA AND THREE- DIMENSIONAL RENDERING

(51) International classification :G06T 9/00  
(31) Priority Document No :61/164,431  
(32) Priority Date :29/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/051311  
Filing Date :25/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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Pontremoli Parc D'Activities Nice La Plaine 1 06200 NICE  
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(72)**Name of Inventor :**

**1)FOGEL Alain**

(57) Abstract :

3D+F encoding of data and three-dimensional rendering includes generating a fused view 2D image and associated generating-vectors by combining first and second 2D images such that the fused view 2D image contains information associated with elements of the first and second 2D images and the generating-vectors indicate operations to be performed on the elements of the fused view 2D image to recover the first and second 2D images. The facilitates 3D rendering using reduced power requirements compared to conventional techniques while providing high quality industry standard image quality.

No. of Pages : 35 No. of Claims : 13

(54) Title of the invention : PROCESS FOR THE PREPARATION OF A HALOACETYL FLUORIDE AND ITS DERIVATIVES

(51) International classification	:C07C51/04	(71)Name of Applicant :
(31) Priority Document No	:09 03580	<b>1)RHODIA OPERATIONS</b>
(32) Priority Date	:21/07/2009	Address of Applicant :40 rue de la Haie Coq F-93300
(33) Name of priority country	:France	Aubervilliers France
(86) International Application No	:PCT/EP2010/059747	(72)Name of Inventor :
Filing Date	:07/07/2010	<b>1)SAINT-JALMES Laurent</b>
(87) International Publication No	: NA	<b>2)METZ François</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A subject-matter of the present invention is a process for the preparation of a haloacetyl fluoride and its derivatives. The process for the preparation of a haloacetyl fluoride according to the invention is characterized in that it comprises; - a stage of preparation of a haloacetyl halide by photooxidation of a haloethylenic compound under conditions such that the degree of conversion of the haloethylenic compound to haloacetyl halide is at most equal to 80%, resulting in a reaction mixture comprising essentially the haloacetyl halide and the excess haloethylenic compound, - a stage of partial fluorination of the mixture obtained by reaction of the mixture with hydrofluoric acid, making it possible to obtain a mixture of haloacetyl fluoride and the excess haloethylenic compound, - a stage of separation of the haloacetyl fluoride and the excess haloethylenic compound. The invention applies more particularly to the preparation of the trichloroacetyl fluoride used as intermediate in the manufacture of trifluoroacetic acid.

No. of Pages : 21 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6980/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SHAPE MEMORY ALLOY TRIGGER FOR PRESSURE RELIEF VALVE

(51) International classification :F16K 17/38

(31) Priority Document No :61/156,900

(32) Priority Date :03/03/2009

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

(86) International Application No :PCT/US2010/026009

Filing Date :03/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)EIHUSEN John A**

(57) Abstract :

This disclosure describes an apparatus (21) having a valve (24) and an elongated shape memory alloy element (28). The valve (24) has a lever (32) in a first position whereby the valve (24) is closed. The elongated shape memory alloy element (28) has a first end (30) connected to the lever (32). The shape memory alloy element (28) has been strained to have a first length wherein exposure of at least a portion of the shape memory alloy element (28) to a temperature at or exceeding its austenite transformation temperature causes the shape memory alloy element (28) to shorten to a second length the second length being less than the first length thereby causing the first end (30) of the shape memory alloy element (28) to pull the lever (32) to a second position whereby the valve (24) is opened.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6981/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR SAFELY ACCESSING WEB SERVICES

(51) International classification :H04L 12/56  
(31) Priority Document No :200910106165.6  
(32) Priority Date :23/03/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2009/073725  
Filing Date :03/09/2009  
(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

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**2)XINTIAN LIU**

(57) Abstract :

A method and system for accessing Web Service safely are provided and the main steps of the method are as follows: a client terminal sends an access request to a service terminal and the interface module of the service terminal obtains the safe validation parameter provided by the client terminal and authenticates the safe validation parameter if the authentication is failed the access is refused if the authentication is successful the safe validation parameter and the interface ID are sent to the authorization managing system of the service terminal; the authorization managing system of the service terminal authenticates the safe validation parameter and the accessed interface ID if the authentication is failed the access is refused if the authentication is successful the client terminal could get the needed service by accessing the service processing system of the service terminal.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6982/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : FURNACE ROLLER ASSEMBLY•

(51) International classification	:F27D 3/00
(31) Priority Document No	:61/160,806
(32) Priority Date	:17/03/2009
(33) Name of priority country	:U.S.A.
(86) International Applicatin No	:PCT/US2010/027505
Filing Date	:16/03/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**1)BRYAN Patrick H.**

(57) Abstract :

A furnace roller assembly is provided with a helically shaped shaft-offset and metal product contact surface assembly wound around a furnace roller shaft. A corebuster may be provided within the furnace roller shaft to direct the flow of a coolant within the axial length of the furnace roller shaft and through a cooling element forming a part of the shaft offset and metal contact surface assembly.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6983/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : **WHOLE SEED SPECIFIC PROMOTER•**

(51) International classification	:C12N 15/82
(31) Priority Document No	:09158449.0
(32) Priority ate	:22/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/055362
Filing Date	:22/04/2010
(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

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**1)FU Huihua**

**2)BROWN Jeffrey A.**

**3)FRANCIS Kirk**

**4)SONG Hee-Sook**

(57) Abstract :

The present invention is concerned with the provision of means and methods for gene expression. Specifically it relates to a polynucleotide comprising an expression control sequence which allows for seed specific of a nucleic acid of interest being operatively linked thereto in plants. Furthermore vectors host cells transgenic plants and methods for expressing nucleic acids of interest are provided which are based on the said polynucleotide.

No. of Pages : 125 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.6985/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : VOLATILE OILY COMPOSITION•

(51) International classification :C08L91/06

(31) Priority Document No :09 52400

(32) Priority Date :10/04/2009

(33) Name of priority country :France

(86) International Application No :PCT/EP2010/054690

Filing Dte :09/04/2010

(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

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(72)Name of Inventor :

**1)BERNOUD Thierry**

**2)RAMIANDRASOA Parfait**

(57) Abstract :

The present invention relates to a volatile oily composition comprising and preferably consisting of from 50 to 100% by weight of a mixture of paraffins and from 0 to 50% by weight of at least one non-volatile oil. It also relates to the cosmetic compositions containing the abovementioned oily composition and the cosmetic uses of said cosmetic compositions particularly for making up and/or caring for and/or protecting skin lips eyelashes and/or nails and in antiperspirant / deodorant compositions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2227/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND USER TERMINAL FOR RECEIVING MULTICAST CONTROL CHANNEL CHANGE NOTIFICATIONS

(51) International classification	:H04W68/02	(71)Name of Applicant :
(31) Priority Document No	:200910168209.8	<b>1)CHINA MOBILE COMMUNICATIONS CORPORATION</b>
(32) Priority Date	:14/08/2009	Address of Applicant :29 Jinrong Ave. Xicheng District
(33) Name of priority country	:China	Beijing 100032 China
(86) International Application No	:PCT/CN2010/001233	(72)Name of Inventor :
Filing Date	:13/08/2010	<b>1)GAO Youjun</b>
(87) International Publication No	: NA	<b>2)HU Zhenping</b>
(61) Patent of Addition to Application Number	:NA	<b>3)YANG Ning</b>
Filing Date	:NA	<b>4)CUI Chunfeng</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiments of the present invention disclose a method and user terminal for receiving multicast control channel (MCCH) change notifications which include: obtaining the transmission time of an MCCH change notification; and when the MCCH change notification is not received during one MCCH modification period receiving according to the transmission time of the MCCH change notification the MCCH change notification at least N times wherein N is the preset reception times of the MCCH change notification. In the present invention the efficiency of receiving MCCH change notifications by user terminals is improved and the probability of processing MCCH change notifications falsely due to too many network identifiers in a physical downlink control channel (PDCCH) is reduced.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/01/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : NAPHTHALENE CARBOXAMIDE DERIVATIVES AS INHIBITORS OF PROTEIN KINASE AND HISTONE DEACETYLASE&NBSP; PREPARATION METHODS AND USES THEREOF•

(51) International classification :C07D215/22  
(31) Priority Document No :200910143978.2  
(32) Priority Date :04/06/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/000272  
Filing Date :05/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)LI Zhibin**  
**3)SHAN Song**  
**4)YU Jindi**  
**5)NING Zhiqiang**

(57) Abstract :

The naphthalene carboxamide derivatives the preparation methods and the uses thereof are provided. The structure thereof is shown as the formula (I) wherein the definitions of R1 R2 R3 R4 and Z are the same to those described in the description. The compounds have the protein kinase inhibition activities and the histone deacetylase inhibition activities simultaneously and can be used for treating diseases related to protein kinase activity abnormality or histone deacetylase activity abnormality including inflammation autoimmune diseases cancer nervous system diseases and neurodegenerative diseases cardiovascular diseases metabolic diseases allergies asthma and hormone-related diseases.

No. of Pages : 74 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.700/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : AIR INTERFACE SYNCHRONIZATION METHOD APPARATUS AND SYSTEM

(51) International classification :H04W56/00  
(31) Priority Document No :200910086756.1  
(32) Priority Date :29/06/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/000981  
Filing Date :29/06/2010  
(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)CHINA MOBILE COMMUNICATIONS CORPORATION**  
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(72)**Name of Inventor :**  
**1)WANG Jing**  
**2)CUI Chunfeng**  
**3)LIU Guangyi**

(57) Abstract :

An air interface synchronization method is provided. The method includes that: a home-eNodeB which is not synchronized with an eNodeB, intercepts a synchronization subframe transmitted from the eNodeB and/or the home-eNodeB which was already synchronized with the eNodeB, a synchronization reference base station is selected from the base station which transmits the intercepted synchronization subframe, wherein the synchronization subframe includes a special synchronization channel for broadcasting synchronization sequence; the synchronization sequence is obtained, which is broadcasted in the special synchronization channel of the synchronization subframe transmitted by the synchronization reference station, and the synchronization with the synchronization base station is performed according to the synchronization sequence. Also, an air interface synchronization system, an eNodeB and a home-eNodeB are provided. The problem in prior art that the source is wasted in the process of synchronization is solved according to the method, the system, the eNodeB and the home-eNodeB.

No. of Pages : 29 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7003/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PHARMACEUTICAL COMPOSITION FOR TREATMENT OF 2 TYPE DIABETES•

(51) International classification :C07D487/04

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2010/070910

Filing Date :08/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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District Lianyungang Jiangsu 222002 China

(72)Name of Inventor :

**1)YUAN Kaihong**

**2)SUN Piaoyang**

(57) Abstract :

The present invention provides a pharmaceutical composition for the treatment of 2 type diabetes wherein the pharmaceutical composition contains (R)-7-[3-amino-4-(2,4,5-trifluoro-phenyl)-butyl]-3-trifluoromethyl-5,6,7,8-tetrahydro-imidazo[1,5-a]pyrazine-1-carboxylic acid methyl ester or its pharmaceutically acceptable salts and metformin or its pharmaceutically acceptable salts (such as hydrochlorate) preparation method thereof and method of treating 2 type diabetes with the composition.

No. of Pages : 29 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7004/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND DEVICE FOR SUPPRESSING CHATTER OF WORK MACHINE

(51) International classification	:B23Q15/12
(31) Priority Document No	:2009-113056
(32) Priority Date	:10/04/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053491
Filing Date	:25/02/2010
(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)NT ENGINEERING KABUSHIKI KAISHA**

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(72)Name of Inventor :

**1)KOMAI YASUHIRO**

**2)YAMASHITA TORU**

(57) Abstract :

A chatter suppressing method for a work machine comprises the steps of detecting vibration occurring when a bar tool (22) or a workpiece W is started to rotate determining whether the vibration detected from the start of rotation has exceeded a threshold and analyzing the vibration by Fourier series expansion when it is determined that the vibration has exceeded the threshold and adjusting the number of rotations of the spindle (18).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7007/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR PROCESSING A DIGITAL FILE NOTABLY OF THE IMAGE, VIDEO AND/OR AUDIO TYPE

(51) International classification :H04N7/34

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/IB2009/005550  
Filing Date :03/04/2009

(87) International Publication No :WO 2010/112957  
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)I-CES (INNOVATIVE COMPRESSION  
ENGINEERING SOLUTIONS)**

Address of Applicant :3 AVENUE DE L'OPERA-75001  
PARIS France

(72)Name of Inventor :

**1)THAN MARC-ERIC GERVAIS**

(57) Abstract :

A method for processing a digital file of the images, video and/or audio type which comprises a phase for putting into line per color layer and/or per audio channel, digital data of any audio, image and video file, a compression phase using algorithm in which each compressed value VC<sub>n</sub> of position N is obtained by subtracting from the value V<sub>n</sub> of same position N of the j original file, a predetermined number of successive compressed values (VC<sub>n-1</sub>, VC<sub>n-2</sub>,...) calculated previously, and a restoration ' phase using an algorithm in which each restored value VD<sub>n</sub> of position N is obtained by adding to the value VC<sub>n</sub>, of the same position of the compressed file, a predetermined number of successive compressed values (VC<sub>n-1</sub>, VC<sub>n-2</sub>,... ).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7008/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ULTRASONIC FAT REDUCING AND BODY SHAPING MACHINE•

(51) International classification	:A61N7/02	(71)Name of Applicant :
(31) Priority Document No	:200910079849.1	<b>1)BEIJING 3H MEDICAL TECHNOLOGY CO. LTD</b>
(32) Priority Date	:13/03/2009	Address of Applicant :Building 20 No. 11 Kangding Street
(33) Name of priority country	:China	Economic-Technological Development Area Beijing 100176
(86) International Application No	:PCT/CN2010/071022	China
Filing Date	:12/03/2010	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Jinsheng YU</b>
(61) Patent of Addition to Application	:NA	<b>2)Xingbo FEI</b>
Number	:NA	<b>3)Keming JIANG</b>
Filing Date	:NA	<b>4)Chunsheng LI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention discloses an ultrasonic fat reduction and body shaping machine that includes a treatment head (1) a wave source carrying apparatus (15) a mechanical arm (2) a treatment bed a lift cylinder body a touch screen (6) and control circuits (8). A menu for user selection operation is provided on the touch screen (6). The treatment head (1) is clamped in the wave source carrying apparatus (15) as to be fixedly connected to the mechanical arm (2) as a whole. The mechanical arm (2) is fixedly connected to the lift cylinder..

No. of Pages : 28 No. of Claims : 6



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7009/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : CELL-ALLOCATION IN LOCATION-SELECTIVE INFORMATION PROVISION SYSTEMS

(51) International classification :H04W72/10

(31) Priority Document No :61/157,224

(32) Priority Date :04/03/2009

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

(86) International Application No :PCT/US2010/026017

Filing Date :03/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

**1)MOASIS GLOBAL INC.**

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Gardens FL 33418 U.S.A.

(72)**Name of Inventor :**

**1)Steven GOLDEN**

**2)Ryan GOLDEN**

**3)Jason MULLEN**

(57) Abstract :

Systems and methods for allocating cells within a virtual grid to content providers according to various priority and selection schemes are used to target content delivery to information playback devices in a geographically and/or application selective manner. The priority schemes geographical selectivity and application selectivity of the system and methods of the invention allow a content provider to specifically target a desired demographic with high cost efficiency and flexibility.

No. of Pages : 29 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :09/03/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM OF REMOVING LOGICALLY FRAGMENTATION ON A FLASH MEMORY STORAGE DEVICE

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

(71)**Name of Applicant :**  
**1)SAMSUNG INDIA SOFTWARE OPERATIONS  
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Bangalore 560093 Karnataka India

(72)**Name of Inventor :**  
**1)BHAVITH M P**  
**2)NIGAM RAJIV**  
**3)CHO HEECHANG**

(57) Abstract :

The present invention provides a method and device for removing fragmentation in a logical block address space of a flash memory system. In one embodiment, logical blocks belonging to a single logical entity are identified using a unique identifier of the logical entity by a flash memory device during its idle state of operation. Further, it is determined whether the logical entity is fragmented in the logical block address space based on the logical block addresses of the identified logical blocks. If the logical entity is fragmented, then new logical block addresses are dynamically assigned to one or more of the logical blocks so that the logical blocks belonging to the same logical entity are contiguously mapped in the logical block address space. Accordingly, logical-physical block mapping information is updated with the new logical block addresses assigned to the one or more logical blocks.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.701/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR OPTIMIZING ENERGY CONSUMPTION FOR WIRELESS CONNECTIVITY

(51) International classification :H04W72/12

(31) Priority Document No :12/490,244

(32) Priority Date :23/06/2009

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

(86) International Application No :PCT/IB2010/052837

Filing Date :22/06/2010

(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 :

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Finland

(72)Name of Inventor :

**1)Kristian Andreas Luoma**

**2)Jukka Alakontiola**

**3)Eero Lepisto**

**4)Tero Halla-Aho**

(57) Abstract :

An approach is provided for optimizing energy consumption for wireless always-on connections. A radio management module buffers non-real time data and schedules the transmission of the non-real time data by a wireless device. The module also determines a communication type for carrying the non-real time data and initiates transmission of the non-real time data based, at least in part, on the schedule and the determined communication type.

No. of Pages : 47 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7010/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR ASSESSING AN INTERACTION OF A SAMPLE WITH LIGHT BEAMS HAVING DIFFERENT WAVELENGTHS AND APPARATUS FOR PERFORMING SAME

(51) International classification :G01J3/28  
(31) Priority Document No :61/202,453  
(32) Priority Date :02/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/000297  
Filing Date :02/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)GENIA PHOTONICS INC.**  
Address of Applicant :1111 Lapierre St. Local 1.845  
Lasalle Quebec H8N 2J4 Canada  
(72)**Name of Inventor :**  
**1)Alain VILLENEUVE**

(57) Abstract :

A method for assessing an interaction of a sample with light beams having different wavelengths the method comprising: generating a light beam having a wavelength and being intensity modulated according to a modulation function to create an intensity modulation in the light beam; irradiating the sample with the light beam; detecting a response light from the sample the response light being released by the sample when the sample is irradiated with the light beam the response light having intensity fluctuations caused by the intensity modulation; using the intensity fluctuations in the response light to identify the modulation function and associate the wavelength and the response light to each other; assessing the interaction of the sample with....

No. of Pages : 37 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7011/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMAGE TRANSFORMATION SYSTEMS AND METHODS

(51) International classification :G06T15/00

(31) Priority Document No :61/156,537

(32) Priority Date :01/03/2009

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

(86) International Application No :PCT/US2010/025814

Filing Date :01/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

**1)FACECAKE MARKETING TECHNOLOGIES INC.**

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(72)**Name of Inventor :**

**1)Linda M. SMITH**

**2)Clayton Nicholas GRAFF**

**3)John SZEDER**

(57) Abstract :

Systems methods apparatuses and computer readable medium are provided that cause a two dimensional image to appear three dimensional and also create a dynamic or animated illustrated images. The systems methods apparatuses and computer readable mediums implement displacement maps in a number of novel ways in conjunction with among other software facial feature recognition software to recognize the areas of the face and allow the users to then customize those areas that are recognized. Furthermore the created displacement maps are used to create all of the dynamic effects of an image in motion.

No. of Pages : 52 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.702/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : REMOVABLE LABEL FOR CONTAINERS

(51) International classification :B32B27/00

(31) Priority Document No :61/235,027

(32) Priority Date :19/08/2009

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

(86) International Application No :PCT/FI2010/050656

Filing Date :19/08/2010

(87) International Publication No :WO 2011/020950  
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)UPM RAFLATAC OY**

Address of Applicant :TESOMANKATU 31, FI-33310  
TAMPERE Finland

(72)Name of Inventor :

**1)MITCHELL, NOEL**

**2)METS AJOKI, KATI**

(57) Abstract :

The invention relates to a wash-off label having a laminated structure which comprises a composite base structure, wherein a polypropylene film forms an upper layer of the base structure and has a lactic acid based polymer film as an overlaminating layer. The invention also relates to use of the wash-off label for labelling of reusable containers.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7020/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SMART ROUTING

(51) International classification	:H04L12/28
(31) Priority Document No	:12/413,607
(32) Priority Date	:30/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028935
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/117689 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)LEV, BOAZ**

(57) Abstract :

A router module receives a client request. In response to receiving the request, the router module obtains the network address of a server module to fulfill the request. The router module then determines whether it is executing on the same physical computer as the server module. If the router module determines that the server module is not executing on the same physical computer, the router module forwards the client request to the server module utilizing a standard network transport. If the router module determines that the server module is executing on the same computer, the router module forwards the client request to the server module using an optimized transport, such as an optimized local- machine-only transport.

No. of Pages : 19 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7021/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR DENITRIFICATION•

(51) International classification :C02F3/34  
(31) Priority Document No :2009-104278  
(32) Priority Date :22/04/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/056207  
Filing Date :06/04/2010  
(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 :**  
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**1)Shigeki Fujishima**  
**2)Mitsuharu Terashima**  
**3)Tomohiro Kiyokawa**

(57) Abstract :

Disclosed is a denitrification method comprising contacting starting water containing nitrate (nitrite) ion with a denitrifying bacterium in the presence of a hydrogen donor whereby treated water with high qualities can be stably obtained without lowering the treatment efficiency even in the case of treating low-concentration starting water in a high load state. Specifically disclosed is a denitrification method comprising: a first denitrification step for conducting a denitrifying treatment at pH 4 or higher and not higher than pH 7; and a second denitrification step for subsequently conducting a denitrifying treatment at pH 7-8. By conducting the denitrifying treatment in the first denitrification step at pH .....

No. of Pages : 29 No. of Claims : 6



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7022/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : WATER-SOLUBLE PROCESSING OIL AGENT

(51) International classification :C10M133/06  
(31) Priority Document No :2009-088528  
(32) Priority Date :31/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP10/053684  
Filing Date :05/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)TAKAGI Fumiaki**

**2)YAMANAKA Masami**

**3)KAWASAKI Hiroshi**

**4)JIDO Youichiro**

**5)URABE Takashi**

(57) Abstract :

To provide a water-soluble working fluid which less adversely affects the human body and the ecological system as compared with conventional water-soluble working fluids which has high rotting resistance and which provides excellent working performance.The water-soluble working fluid of the invention contains methyldicyclohexylamine.

No. of Pages : 25 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7023/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING ADVERTISING TO USERS OF SOCIAL NETWORK

(51) International classification :G06Q30/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/000223  
Filing Date :03/03/2009  
(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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Mountain View CA 94043 USA  
(72)**Name of Inventor :**  
**1)ZHANG Dong**  
**2)CHANG Edward Y**

(57) Abstract :

In one implementation a computer-implemented method includes receiving at a server a request from an advertiser to target an ad to users of a computer-implemented social network the request comprising data representing characteristics of the users that the advertiser desires to target. The method further includes ranking the users based on how similar the users<sup>TM</sup> characteristics are to the received characteristics and an influence score for each user that indicates how influential the user is within the social network. The method also includes scoring the advertiser<sup>TM</sup>s request based on a bid from the advertiser for an opportunity to display the ad to one or more of the users and assigning the opportunity to display the ad to the one or more users based on a correlation between a score of the advertiser<sup>TM</sup>s request and one or more rankings of the one or more users.

No. of Pages : 60 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7024/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD TO REDUCE HEAT RADIATION LOSSES THROUGH COKE OVEN CHAMBER DOORS AND WALLS BY ADAPTING THE COAL CAKE IN HEIGHT OR DENSITY

(51) International classification :C10B31/10  
(31) Priority Document No :10 2009 015 240.7  
(32) Priority Date :01/04/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/001517  
Filing Date :11/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)UHDE GmbH**  
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Dortmund Germany  
(72)**Name of Inventor :**  
**1)KIM Ronald**  
**2)WORBERG Rainer**

(57) Abstract :

The invention relates to a method for reducing the coking time in the oven area near the door or end wall and for improving coke quality and situation of emissions by compensating for radiation losses through coke oven chamber doors and end walls with this compensation being accomplished by varying the height of the coal cake in the environment of the frontal coke oven chamber doors said variation being achievable both by increasing or decreasing the coal cake over part of the length or over the entire length of the coke oven chamber door.

No. of Pages : 16 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7025/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SANITARY RETAINER

(51) International classification :A61M39/16

(31) Priority Document No :61/166,028

(32) Priority Date :02/04/2009

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

(86) International Application No :PCT/US2010/029730

Filing Date :02/04/2010

(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 :**

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Michigan 49690 USA

(72)**Name of Inventor :**

**1)WERTH Albert A**

(57) Abstract :

Disclosed herein is a retainer for connecting a pair of sanitary fittings each having a first end and a second end the second ends each having a flanged portion. The retainer includes a first member having a through center aperture the first member adapted to receive at least a portion of each of the flanged portions and a second member having a through center aperture and engageable over the first member the second member adapted to provide a compressive force to sealingly connect the flanged portions when the first and second members are in an assembled configuration.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7026/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMPOSITE SEMIPERMEABLE MEMBRANE AND METHOD FOR PRODUCING THE SAME

(51) International classification :B01D71/82  
(31) Priority Document No :2009-085774  
(32) Priority Date :31/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/054641  
Filing Date :18/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)NAKATSUJI Koji**

(57) Abstract :

Disclosed herein are a composite semipermeable membrane and a method for producing the same. The composite semipermeable membrane comprises a microporous support membrane and a separation functional layer provided on the microporous support membrane wherein the separation functional layer contains a condensation product produced by condensation of at least one selected from the group consisting of ions of trialkoxysilanes each having an imidazolium group and a conjugated base of a polymer having at least one acidic group. The composite semipermeable membrane achieves excellent selective separation of divalent ions over monovalent ions and is suitable for use in various water treatment fields such as seawater desalination and drinking water production.

No. of Pages : 35 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7027/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MULTILAYER MICROFLUIDIC PROBE HEAD AND METHOD OF FABRICATION THEREOF

(51) International classification :B01J19/00  
(31) Priority Document No :09159608.0  
(32) Priority Date :07/05/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/IB2010/052018  
Filing Date :07/05/2010  
(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

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(72)**Name of Inventor :**  
**1)EMMANUEL DELAMARCHE**  
**2)UTE DRECHSLER**  
**3)ROBERT LOVCHIK**

(57) Abstract :

The invention is directed to a multilayer microfluidic probe (MFP) head (100) including a first (110) and second (120) layers facing each others and at least one tubing port (182) extending from the first layer (110) the first layer having one or more via (112) whereby fluid communication is enabled through the first layer towards the second layer and the second layer comprises at least one microchannel (124) relaying fluid communication to an aperture (122) and such a multilayered MFP head is easier to fabricate than heads made with unitary construction. Other embodiments are also disclosed.

No. of Pages : 29 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.703/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : BI-DIRECTIONAL BATTERY VOLTAGE CONVERTER

(51) International classification :H02J7/34  
(31) Priority Document No :61/230,296  
(32) Priority Date :31/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/043609  
Filing Date :29/07/2010  
(87) International Publication No :WO 2011/014593 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)BRABEC, LADISLAUS JOSEPH**

(57) Abstract :

A battery module for use with a vehicle electrical system. The battery module includes a bi-directional battery voltage converter, a first battery, and a second battery. A first relay selectively connects the first battery to the bi-directional battery voltage converter. A second relay selectively connecting the second battery to the bi-directional battery voltage converter. A controller selectively energizes the first relay, selectively energizes the second relay, and controls a direction of current through the bi-directional battery voltage converter.

No. of Pages : 44 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7036/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : GRAPH SIMILARITY CALCULATION SYSTEM&NBSP; METHOD AND PROGRAM

(51) International classification :G06F17/30  
(31) Priority Document No :2009-155060  
(32) Priority Date :30/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/059795  
Filing Date :09/06/2010  
(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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**1)SHOHEI HIDO**  
**2)HISASHI KASHIMA**

(57) Abstract :

Disclosed is a method and system for calculating a degree of similarity between two graphs whose nodes are respectively given discrete labels by providing for each of the two graphs label values respectively to a given node and nodes adjacent thereto so that different ones of the discrete labels may correspond to different ones of the label values; sequentially tracing the nodes for each of the two graphs; calculating during the tracing of the nodes a new label value through a hash calculation using a label value of a currently visited node and also using label values of nodes adjacent to the currently visited node to update the label value to the currently visited node; and calculating the degree of similarity between the two graphs on the basis of the number of the label values having been given to nodes of the two graphs and agreeing between the two.

No. of Pages : 30 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7037/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : WIRELESS ACCESS POINT BEACON MESSAGING•

(51) International classification :H04W4/12  
(31) Priority Document No :61/160,228  
(32) Priority Date :13/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :CT/US2010/027187  
Filing Date :12/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)HARDIE Edward Thomas Lingham**

(57) Abstract :

The subject matter disclosed herein relates to wireless communication of messages between a wireless access point and one or more mobile stations. Example embodiments may comprise wireless communication of messages of variable length partitioned among one or more beacon signals transmitted from the wireless access point.

No. of Pages : 47 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7041/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MOBILE COMMUNICATION SYSTEM

(51) International classification	:H04W8/26
(31) Priority Document No	:2009-079962
(32) Priority Date	:27/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/002185
Filing Date	:26/03/2010
(87) International Publication No	:WO 2010/109902
	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)ARAMOTO, MASAFUMI**

(57) Abstract :

A core network includes a PDN connection holding unit that associates and stores information regarding PDN connection with information indicating an address block configured as a set of a plurality of addresses identifying a plurality of the information terminal devices. Therefore, it is possible to suppress an increase in the processing load and a limitation of providable services, even in the case in which an ad-hoc network is formed between a mobile terminal device and a plurality of terminal equipments and a PDN connection is made by the terminal equipments using the mobile terminal device as an MT.

No. of Pages : 81 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7066/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : CLUSTERING VIDEOS BY LOCATION

(51) International classification :H04N5/92  
(31) Priority Document No :12/416,152  
(32) Priority Date :01/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029709  
Filing Date :01/04/2010  
(87) International Publication No :WO 2010/115056 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)BAKER, SIMON J**  
**2)ZITNICK III, CHARLES LAWRENCE**  
**3)SCHROFF, GERHARD FLORIAN**

(57) Abstract :

Described is a technology in which video shots are clustered based upon the location at which the shots were captured. A global energy function is optimized, including a first term that computes clusters so as to be reasonably dense and well connected, to match the possible shots that are captured at a location, e.g., based on similarity scores between pairs of shots. A second term is a temporal prior that encourages subsequent shots to be placed in the same cluster. The shots may be represented as nodes of a minimum spanning tree having edges with weights that are based on the similarity score between the shots represented by their respective nodes. Agglomerative clustering is performed by selecting pairs of available clusters, merging the pairs and keeping the pair with the lowest cost. Clusters are iteratively merged until a stopping criterion or criteria is met (e.g., only a single cluster remains).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7067/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND DEVICE FOR TRANSMITTING OPTICAL CHANNEL TRANSPORT UNIT SIGNAL

(51) International classification :H04B10/00  
(31) Priority Document No :200910127581.4  
(32) Priority Date :16/03/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071058  
Filing Date :16/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)XIAO Xin**  
**2)WU Qiuyou**  
**3)MAARTEN Vissers**

(57) Abstract :

A method and a device for transmitting an Optical Channel Transport Unit signal are disclosed in the present invention. The method includes: receiving an Optical Channel Transport Unit OTUk signal after photoelectric conversion; wrapping the OTUk signal into an Optical Channel Data Unit (ODU) signal; multiplexing and mapping the ODU signal to an Optical Channel Payload Unit OPUj signal, where the OPUj signal is a High Order signal of the ODU signal; and wrapping the OPUj signal into an ODUj signal and an OTUj signal, and sending the ODUj signal and the OTUj signal. Through the embodiments of the present invention, fully transparent transmission of an OTU signal can be implemented.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7068/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS&NBSP; AND SYSTEM FOR ACQUIRING LOAD INFORMATION

(51) International classification :H04W36/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/070872  
Filing Date :18/03/2009  
(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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**1)GUO Xuanyu**  
**2)CHEN Yanyan**  
**3)GUO Wei**  
**4)LV Boya**

(57) Abstract :

A method device and system for acquiring load information are disclosed in the embodiments of the present invention. In a method a source access control device can interact with an object access control device via the corresponding message of switch between the radio access technology systems it is realized that while performing PS domain switch between different radio access technology systems the source radio access system can acquire the load information of the object radio access system so that load balance between the different radio access technology system can be performed and the communication quality can be ensured; in another method the source access control device also can interact with the object access control device via a load information request message based on RAN Information Management (RIM) mechanism and a load information response message based on RIM mechanism ..

No. of Pages : 50 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6986/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ROTARY-TYPE RETRACTABLE WRITING IMPLEMENT WITH AN ANTI-DRYING DEVICE•

(51) International classification	:B43K21/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:10-209-0024453	<b>1)MORRIS CORPORATION</b>
(32) Priority Date	:23/03/2009	Address of Applicant :952 Dohwa-dong Nam-gu Incheon-
(33) Name of priority country	:Republic of Korea	shi 402-060 Republic of Korea
(86) International Application No	:PCT/KR2010/001777	(72) <b>Name of Inventor :</b>
Filing Date	:23/03/2010	<b>1)Hyun Son YOON</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 rotary-type retractable writing implement with an anti-drying device wherein an upper shaft and a lower shaft are coupled together such that the two shafts are rotatable in opposite directions and a cartridge accommodated in a intermediate connection member is movable and an open/shut module for covering a nib opens/shuts by means of the movement of the cartridge so as to provide a nib-advancing path. The rotary-type retractable writing implement with an anti-drying device comprises: said cartridge equipped with a writing nib; said intermediate connection member having a slit for the upward and downward sliding of the cartridge ...

No. of Pages : 46 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.699/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : COIL MATERIAL AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22F1/06  
(31) Priority Document No :2010-076718  
(32) Priority Date :30/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/056722  
Filing Date :22/03/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)MIYANAGA Michimasa**  
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**4)OISHI Yukihiro**  
**5)KAWABE Nozomu**

(57) Abstract :

A coil material capable of contributing to an improvement of the productivity of a high-strength magnesium alloy sheet and a method for manufacturing the coil material are provided. Regarding the method for manufacturing a coil material through coiling of a sheet material formed from a metal into the shape of a cylinder, so as to produce the coil material, the sheet material is a cast material of a magnesium alloy discharged from a continuous casting machine and the thickness t (mm) thereof is 7 mm or less. The sheet material 1 is coiled with a coiler while the temperature T (°C) of the sheet material 1 just before coiling is controlled to be a temperature at which the surface strain ((t/R) — 100) represented by the thickness t and the bending radius R (mm) of the sheet material 1 becomes less than or equal to the elongation at room temperature of the sheet material 1.

No. of Pages : 86 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.6991/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ADHEAT ADVERTISEMENT MODEL FOR SOCIAL NETWORK

(51) International classification :G06Q30/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/000222  
Filing Date :03/03/2009  
(87) International Publication No :WO 2010/099631 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)ZHANG, DONG**  
**2)CHANG, EDWARD Y.**

(57) Abstract :

In one implementation, a computer-implemented method includes receiving at a server information indicating activity levels of users of a computer- implemented social network or acquaintance relationships of the users on the computer-implemented social network. The method further includes generating by the server influence scores for the users based on the received information. The method also includes recursively propagating by the server an ad through the computer-implemented social network between users having an acquaintance relationship by transmitting the ad from a propagating user to a recipient user when a difference between a first influence score of the propagating user and a second influence score of the recipient user is greater than a threshold.

No. of Pages : 61 No. of Claims : 26



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7091/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COLLATION SHRINKAGE FILM HAVING EXCELLENT CLARITY AND SUPERIOR TOUGHNESS

(51) International classification :B32B27/32  
(31) Priority Document No :61/165,065  
(32) Priority Date :31/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CN2010/071363  
Filing Date :26/03/2010  
(87) International Publication No :WO 2010/111931 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)DEMIRORS, MEHMET**  
**3)YUN, XIAOBING**  
**4)WU, CHANG**  
**5)LEE, DANIELLE**  
**6)WANG, JOY**

(57) Abstract :

A multilayer film structure comprising at least three layers, wherein at least one layer comprises ethylene and at least one alpha-olefin is claimed, wherein the ethylene interpolymer is characterized as having an average  $M_v$  and a valley temperature between the interpolymer and high crystalline fraction,  $T_{hc}$  such that the average  $M_v$  for a fraction above  $T_{hc}$  from ATREF divided by average  $M$  of the whole polymer from ATREF ( $M_{hc}/M_p$ ) is less than about 1.95 and wherein the interpolymer has a CDBI of less than 60%. The interpolymer of ethylene and at least one alpha-olefin can also be characterized as having a high density (HD) fraction and an overall density such that  $\% \text{ HD fraction} < 0.0168x^2 - 29.636x + 13036$  where  $x$  is the density in grams/cubic centimeter.

No. of Pages : 46 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7103/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR IMPLEMENTING AND MANAGING VIRTUAL SWITCHES

(51) International classification :H04L12/56  
(31) Priority Document No :61/165,875  
(32) Priority Date :01/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029717  
Filing Date :01/04/2010  
(87) International Publication No :WO 2010/115060 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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**3)AMIDON, KEITH ERIC**

**4)BALLAND III, PETER, J.**

**5)KOPONEN, TEEMU**

**6)PFAFF, BENJAMIN, LEVY**

**7)PETTIT, JUSTIN**

**8)GROSS, JESSE, E., IV**

**9)WENDLANDT, DANIEL, J.**

(57) Abstract :

In general, the present invention relates to a virtual platform in which one or more distributed virtual switches can be created for use in virtual networking. According to some aspects, the distributed virtual switch according to the invention provides the ability for virtual and physical machines to more readily, securely, and efficiently communicate with each other even if they are not located on the same physical host and/or in the same subnet or VLAN. According other aspects, the distributed virtual switches of the invention can support integration with traditional IP networks and support sophisticated IP technologies including NAT functionality, stateful firewalling, and notifying the IP network of workload migration. According to further aspects, the virtual platform of the invention creates one or more distributed virtual switches which may be allocated to a tenant, application, or other entity requiring isolation and/or independent configuration state. According to still further aspects, the virtual platform of the invention manages and/or uses VLAN or tunnels (e.g, GRE) to create a distributed virtual switch for a network while working with existing switches and routers in the network. The present invention finds utility in both enterprise networks, datacenters and other facilities.

No. of Pages : 28 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7113/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMMUNICATION SYSTEM COMMUNICATION TERMINAL SERVER DATA STORING METHOD AND RECORDING MEDIUM

(51) International classification	:H04N1/00
(31) Priority Document No	:2009-082213
(32) Priority Date	:30/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/054753
Filing Date	:15/03/2010
(87) International Publication No	:WO 2010/113670
	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)TANAKA, HIDEAKI**

(57) Abstract :

Image data stored in a server can be easily removed there from by use of a communication terminal. There are included a communication terminal for transmitting an acquired image data and a server for storing the image data received from the communication terminal. The communication terminal transmits an acquired image data to the server, displays abbreviated data which allows the image data to be identified and the data amount of which is smaller than the data amount of the image data. And, when having accepted, from the exterior, a removal of the image data instructed by designating the displayed abbreviated data, the communication terminal requests the server to remove the image data corresponding to the abbreviated data. The server stores, into a database provided therein, the image data received from the communication terminal. And, when having been requested, by the communication terminal, to remove the image data, the server removes the image data from the database.

No. of Pages : 79 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.712/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PAINT COATING SYSTEM AND METHOD OF PRODUCING MULTILAYERED PAINT COATING

(51) International classification	:B05D1/36
(31) Priority Document No	:61/220,932
(32) Priority Date	:26/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/059009
Filing Date	:24/06/2010
(87) International Publication No	:WO 2010/149746
	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)MENOVCIK, GREGORY G.**

**3)MORMILE, PATRICK J.**

**4)CAMPBELL, DONALD H.**

**5)CRANFILL, DAVID**

(57) Abstract :

A paint coating system comprises a substrate and a first paint layer disposed on the substrate. The first paint layer is formed from a first composition comprising either a first decomplexing agent or a first organoborane complex. The paint coating system further comprises a second paint layer disposed on the first paint layer. The second paint layer is formed from a second composition comprising the other of the first decomplexing agent and the first organoborane complex. At least one of the first and second compositions further comprises a radical polymerizable compound. A method of producing a multilayered paint coating includes the steps of providing the substrate, applying a first paint layer on the substrate, applying a second paint layer on the first paint layer, and curing the at least one of the first and second paint layers.

No. of Pages : 56 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7123/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : LOW VOLTAGE DRIVER SCHEME FOR INTERFEROMETRIC MODULATORS

(51) International classification :G09G3/34

(31) Priority Document No :12/413,336

(32) Priority Date :27/03/2009

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

(86) International Application No :PCT/US2010/028552

Filing Date :24/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)QUALCOMM MEMS Technologies Inc.**

Address of Applicant :5775 Morehouse Drive San Diego  
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(72)Name of Inventor :

**1)LEWIS Alan G.**

**2)MIGNARD Marc M.**

**3)CHUI Clarence**

**4)VAN LIER Wilhelmus Johannes Robertus**

**5)TODOROVICH Mark M.**

**6)CUMMINGS William**

(57) Abstract :

A method of driving electromechanical devices such as interferometric modulators includes applying a voltage along a common line to release the electromechanical devices along the common line followed by applying an address voltage along the common line to actuate selected electromechanical devices along the common line based on voltages applied along segment lines. Hold voltages may be applied along common lines between applications of release and address voltages and the segment voltages may be selected to be sufficiently small that the segment voltages will not affect the state of the electromechanical devices along other common lines not being written to.

No. of Pages : 68 No. of Claims : 76

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7124/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : RANK AND PRECODING INDICATION FOR MIMO OPERATION

(51) International classification :H04L25/03

(31) Priority Document No :61/172,145

(32) Priority Date :23/04/2009

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

(86) International Application No :PCT/US2010/032292

Filing Date :23/04/2010

(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)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
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(72)Name of Inventor :

**1)GAAL Peter**

**2)ZHANG Xiaoxia**

**3)CHEN Wanshi**

**4)LUO Xiliang**

**5)MONTJO Juan**

(57) Abstract :

Certain aspects of the present disclosure relate to a technique for signaling rank and precoding indications in uplink and downlink MIMO operations using codebook and non-codebook based precoding.

No. of Pages : 39 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7125/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVING FRAME RATES IN A MEMS DISPLAY BY SELECTIVE LINE SKIPPING

(51) International classification :G09G3/34

(31) Priority Document No :12/413,431

(32) Priority Date :27/03/2009

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

(86) International Application No :PCT/US2010/028710

Filing Date :25/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

**1)QUALCOMM MEMS Technologies Inc.**

Address of Applicant :5775 Morehouse Drive San Diego  
CA 92121 U.S.A.

(72)**Name of Inventor :**

**1)TODOROVICH Mark M.**

(57) Abstract :

Systems and methods for improving frame rate in a bi-stable display e.g. MEMS display devices are disclosed. Lines are selected for skipping during updates based on the desired frame rate and the visual effect of skipping the particular line. In order to determine the amount of time to update a row a physical parameter such as temperature or the accumulated charge applied to a row or column is measured. The drive schedule itself involves skipping a row or column based upon a priority value being associated with at least one row or column. The priority may be set based on colour or when the row or column was last scanned.

No. of Pages : 47 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7126/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : REESTABLISHMENT PROCEDURE FOR AN EMERGENCY CALL

(51) International classification :H04W4/22

(31) Priority Document No :61/166,629

(32) Priority Date :03/04/2009

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

(86) International Application No :PCT/US2010/029858

Filing Date :02/04/2010

(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)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)UMATT Bhupesh M.**

**2)AMERGA Daniel**

**3)TENNY Nathan E.**

(57) Abstract :

Traditional rules that apply to cell selection are overridden to allow cell selection on an acceptable cell in addition to cell selection on a suitable cell. Once a mobile device acquires service on an acceptable cell mobile device can inform network of the emergency call in progress or initiation of an emergency call which allows network to perform necessary actions to support the emergency call during establishment/ reestablishment.

No. of Pages : 53 No. of Claims : 48



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7127/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING CONTROL INFORMATION VIA UPPER LAYER

(51) International classification :H04W72/12  
(31) Priority Document No :61/164,123  
(32) Priority Date :27/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028550  
Filing Date :24/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**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)GHEORGHIU Valentin A.**  
**2)PALANKI Ravi**

(57) Abstract :

Techniques for supporting communication for wireless devices in a wireless network are described. The wireless network may support transmission of control information on a first physical channel having a first minimum SNR for reliable reception. Some wireless devices may require operation at a lower SNR. In an aspect low SNR operation may be supported by transmitting control information for a lower layer (e.g. Layer 1 or 2) in a protocol stack via an upper layer (e.g. Layer 3) in the protocol stack. This transmission scheme may allow the control information to be transmitted on a second physical channel instead of the first physical channel normally used to transmit the control information. The second physical channel may have a lower minimum SNR than the first minimum SNR. This transmission scheme may also allow the control information to be transmitted multiple times to improve reliability.

No. of Pages : 36 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7128/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : FALL BACK USING MOBILE DEVICE ASSISTED TERMINATING ACCESS DOMAIN SELECTION

(51) International classification	:H04L29/06	(71)Name of Applicant :
(31) Priority Document No	:61/165,717	<b>1)QUALCOMM Incorporated</b>
(32) Priority Date	:01/04/2009	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2010/029692	U.S.A.
Filing Date	:01/04/2010	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)JIN Haipeng</b>
(61) Patent of Addition to Application Number	:NA	<b>2)ATARIUS Roozbeh</b>
Filing Date	:NA	<b>3)MAHENDRAN Arungundram C.</b>
(62) Divisional to Application Number	:NA	<b>4)SUBRAMANIAN Ramachandran</b>
Filing Date	:NA	

(57) Abstract :

Fall back using mobile device assisted terminating access domain selection is provided. A network entity forwards an invitation to a session to a mobile device. Session has packet switched bearers for media. Mobile device replies with a rejection of the invitation and a request for network entity to hold the session. Rejection is based on mobile device determining circuit switched bearers should be utilized. Mobile device sends a circuit switched call and network entity correlates the circuit switched call with the session. A dialog is set up over circuit switched domain bearers and Internet Protocol Multimedia Subsystem bearers.

No. of Pages : 50 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7129/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MINIMIZING THE IMPACT OF SELF SYNCHRO-NIZATION ON WIRELESS COMMUNICATION DEVICES

(51) International classification :H04W56/00

(31) Priority Document No :61/167,653

(32) Priority Date :08/04/2009

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

(86) International Application No :PCT/US2010/030434

Filing Date :08/04/2010

(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)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
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U.S.A.

(72)Name of Inventor :

**1)GHEORGHIU Valentin A.**

**2)PALANKI Ravi**

(57) Abstract :

A method for self synchronization by a base station is described. Network information is sent to a wireless communication device. The network information indicates a first time period. The first time period is a period of silence by the base station. Synchronization signals are monitored during the first time period. Monitoring synchronization signals includes not transmitting.

No. of Pages : 50 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7130/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : RANK AND PRECODING INDICATION FOR MIMO OPERATION

(51) International classification :H04L5/14  
(31) Priority Document No :61/172,145  
(32) Priority Date :23/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/032296  
Filing Date :23/04/2010  
(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)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
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(72)Name of Inventor :

**1)GAAL Peter**

**2)ZHANG Xiaoxia**

**3)CHEN Wanshi**

**4)LUO Xiliang**

**5)MONTJO Juan**

(57) Abstract :

Certain aspects of the present disclosure relate to a technique for signaling rank and precoding indications in uplink and downlink MIMO operations using codebook and non-codebook based precoding.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7133/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : POLYURETHANE FOAM•

(51) International classification :C08G18/48  
(31) Priority Document No :0903717.7  
(32) Priority Date :04/03/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/000381  
Filing Date :03/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)GREEN URETHANES LIMITED**  
Address of Applicant :Hill Croft Coton Road Walton on  
Trent DE12 8NL Great Britain U.K.  
(72)**Name of Inventor :**  
**1)ROWLANDS Jeffrey Phillip**  
**2)PAAP Frans**

(57) Abstract :

A method of making a polyurethane foam from a mixture of isocyanate modified polyol and foam-forming ingredients wherein the isocyanate modified polyol is made by reacting at least one polyol with at least one multifunctional isocyanate wherein the isocyanate modified polyol is a non-foamed polyol polymer having available OH groups wherein the foam forming ingredients comprise at least a multifunctional isocyanate and a foaming agent preferably water and characterised in that (i) the at least one polyol from which the isocyanate modified polyol is made comprises at least one lipid-based polyol which has undergone reaction with the isocyanate in the presence of a PU gelation catalyst and/or (ii) the isocyanate modified polyol is mixed with a lipid-based polyol prior to or at the same time as foaming.

No. of Pages : 61 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7134/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR THE MULTI-CRITERIA MANAGEMENT OF PRESENCE NOTIFICATIONS

(51) International classification	:H04L29/08	(71)Name of Applicant :
(31) Priority Document No	:0900962	<b>1)ALCATEL LUCENT</b>
(32) Priority Date	:03/03/2009	Address of Applicant :3, AVENUE OCTAVE GREARD, F-
(33) Name of priority country	:France	75007 PARIS France
(86) International Application No	:PCT/FR2010/050228	(72)Name of Inventor :
Filing Date	:11/02/2010	<b>1)FABRICE DANTEC</b>
(87) International Publication No	:WO 2010/100354	<b>2)FREDERIC PRIAM</b>
	A1	<b>3)PATRICK MESCAM</b>
(61) Patent of Addition to Application	:NA	<b>4)JEROME ELLEOUE</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Multicriteria management method for presence notifications proposed by a means of instant communications comprising a list of contacts that is not empty and connected to a presence server, such method comprising the following steps: - configuration of rules to filter the presence notifications to be displayed and transmitted from the presence server; - automatic configuration of presence information; - automatic broadcasting of presence information on social networking and microblogging tools

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7135/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : KINASE PROTEIN BINDING INHIBITORS•

(51) International classification :A61K31/395

(31) Priority Document No :61/209,431

(32) Priority Date :06/03/2009

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

(86) International Application No :PCT/US2010/026184

Filing Date :0403/2010

(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)UNIVERSITY OF FLORIDA RESEARCH  
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Address of Applicant :P.O. Box 115500 Gainesville  
Florida 32611-5500 U.S.A.

(72)Name of Inventor :

**1)GOLUBOVSKAYA Vita**

**2)OSTROV David A.**

**3)CANCE William G**

(57) Abstract :

The invention relates to protein binding inhibitor compounds and methods of identifying and using them. The invention further relates to pharmaceutical compositions and methods for treating a variety of diseases and disorders including cell proliferative disorders especially cancer.

No. of Pages : 52 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7136/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS AND COMPUTER PROGRAM PRODUCT FOR PROVIDING AN EVENT SCHEME FOR CONTEXT MODELS

(51) International classification :H04W8/22  
(31) Priority Document No :12/398,702  
(32) Priority Date :05/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/000443  
Filing Date :04/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)NOKIA CORPORATION**  
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Finland  
(72)**Name of Inventor :**  
**1)Sailesh Kumar Sathish**

(57) Abstract :  
Attached

No. of Pages : 26 No. of Claims : 16



(12) PATENT APPLICATION PUBLICATION

(21) Application No.714/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : A METHOD FOR PRODUCING A FERMENTED MILK PRODUCT

(51) International classification :A23C9/123  
(31) Priority Document No :PA 2009 00814  
(32) Priority Date :30/06/2009  
(33) Name of priority country :Denmark  
(86) International Application No :PCT/EP2010/059307  
Filing Date :30/06/2010  
(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)CHR. HANSEN A/S**  
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Hoersholm Denmark  
(72)**Name of Inventor :**  
**1)FOLKENBERG Ditte Marie**  
**2)REGAARD Gunnar**  
**3)BENNEDSEN Mads**  
**4)POULSEN Lone**

(57) Abstract :

The present invention relates to a method for producing a fermented milk product with enhanced gel stiffness.

No. of Pages : 19 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7140/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SOLID DOSE DELIVERY DEVICE

(51) International classification :A61M37/00

(31) Priority Document No :09156458.3

(32) Priority Date :27/03/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/053989

Filing Date :26/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

**1)Novo Nordisk A/S**

Address of Applicant :Novo All Dk-2880 Bagsvrd  
Denmark

(72)**Name of Inventor :**

**1)LJUNGGREEN Henrik**

**2)HANSEN Torben Str,m**

(57) Abstract :

The invention relates to a medicament delivery device (1 100) for delivering one or more solid dose pegs (10 110) through the skin. The device (1 100) has a number of exit openings (9 109) corresponding to the number of solid dose pegs (10 110) to be delivered. A detachable portion (3 103) of the device (1 100) is removed before use to uncover the exit openings (9 109) and a release rod (17 117). When the exit openings (9 109) are pressed against the skin the release rod (17 117) automatically disables a safety mechanism adapted to prevent unintended activation of the device (1 100).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7149/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ALL-IN-ONE MEANS OF SEPARATING BLOOD COMPONENTS

(51) International classification :A61M1/02

(31) Priority Document No :12/417,789

(32) Priority Date :03/04/2009

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

(86) International Application No :PCT/US2010/029957

Filing Date :05/04/2010

(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)BIOMET BIOLOGICS LLC**

Address of Applicant :56 East Bell Drive Warsaw Indiana  
46581 U.S.A.

(72)**Name of Inventor :**

**1)MICHAEL D. LEACH**

**2)JASON CHAVARRIA**

(57) Abstract :

A separation device including first buoy second buoy first valve and second valve. The first buoy is mounted to a buoy guide post and slidably mounted within a separation chamber. The second buoy is slidably mounted to the guide post and movable between a first position and a second position. The second buoy closes the first valve and opens the second valve when in the first position. The second buoy opens the first valve and closes the second valve when in the second position. The second buoy has a density such that after spinning the device for a suitable period of time a first component of the composition is isolated between the first buoy and the second buoy and a second component of the composition is isolated between the second buoy and the end of the separation chamber that is opposite to a port.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.715/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF PHENOL AND CYCLOHEXANONE

(51) International classification :C07C2/66  
(31) Priority Document No :MI2009A001145  
(32) Priority Date :29/06/2009  
(33) Name of priority country :Italy  
(86) International Application No :PCT/IB2010/001540  
Filing Date :23/06/2010  
(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)POLIMERI EUROPA S.P.A.**  
Address of Applicant :Piazza Boldrini 1 I-20097 San Donato Milanese (Milano) Italy  
(72)**Name of Inventor :**  
**1)BENCINI Elena**  
**2)GAMBAROTTI Cristian**  
**3)MELONE Lucio**  
**4)PASTORI Nadia**  
**5)PROSPERINI Simona**  
**6)PUNTA Carlo**  
**7)RECUPERO Francesco**

(57) Abstract :

Process for the preparation of phenol and cyclohexanone which comprises: a. the synthesis of cyclohexylbenzene by the hydro-alkylation of benzene by contact with hydrogen or the alkylation of benzene with cyclohexene using Y zeolites; b. the selective aerobic oxidation of cyclohexylbenzene to the corresponding hydroperoxide catalyzed by N-hydroxy-derivatives in the presence of polar solvents; and c. the scission of the hydroperoxide of cyclohexylbenzene to phenol and cyclohexanone by homogeneous or heterogeneous acid catalysts; characterized in that the synthesis of cyclohexylbenzene takes place in the presence of a catalytic system comprising a Y zeolite and an inorganic ligand wherein the Y zeolite has a crystalline structure with openings consisting of 12 tetrahedra and the inorganic ligand is -alumina and wherein said catalytic composition is characterized by a pore volume obtained by adding the mesoporosity and macroporosity fractions greater than or equal to 0.7 cm<sup>3</sup>/g wherein at least 30% of said volume consists of pores with a diameter greater than 100 nanometers.

No. of Pages : 25 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7150/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IN-LINE VISCOMETER WITH NO MOVING PARTS AND METHODS AND COMPUTER-READABLE MEDIA FOR MAINTAINING A DESIRED VISCOSITY•

(51) International classification :G01N11/04

(31) Priority Document No :61/162,786

(32) Priority Date :24/03/2009

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

(86) International Application No :PCT/US2010/028446

Filing Date :24/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

**1)NORCROSS CORPORATION**

Address of Applicant :255 Newtonville Ave. Newton  
Massachusetts 02158-1898 U.S.A.

(72)Name of Inventor :

**1)Robert A. NORCROSS**

(57) Abstract :

The present invention relates to in-line viscometers with no moving parts for monitoring the viscosity of fluids. One embodiment of the invention is a viscometer including a first tube a second tube a first flow metering device coupled with the first tube a second flow metering device coupled with the second tube. The second tube is larger in diameter than the first tube. Another embodiment is directed to a method for maintaining a desired viscosity during a process.

No. of Pages : 22 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7151/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMPOSITIONS AND METHODS FOR PROPHYLAXIS AND TREATMENT OF ADDICTIONS•

(51) International classification :A61K31/4439

(31) Priority Document No :61/159,377

(32) Priority Date :11/03/2009

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

(86) Internationaional Application No :PCT/US2010/027048

Filing Date :11/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**1)OMEROS CORPORATION**

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(72)Name of Inventor :

**1)CICCOCIO PPO Roberto**

(57) Abstract :

The present invention relates to methods of treating or preventing addiction and relapse use of addictive agents and treating or preventing addictive or compulsive behaviour and relapse practice of an addictive behaviour or compulsion by administering a peroxisome proliferator-activated receptor gamma (PPAR) agonist alone or in combination with another therapeutic agent such as for example an opioid receptor antagonist or an antidepressant or an addictive agent such as for example an opioid agonist. The present invention also includes pharmaceutical compositions for treating or preventing addiction or relapse that include a PPAR agonist and one or more other therapeutic or addictive agents as well as unit dosage forms of such pharmaceutical compositions which contain a dosage effective in treating or preventing addiction or relapse. The methods and compositions of the invention are useful in the treatment or prevention of addiction to any agent, including alcohol, nicotine, marijuana, cocaine, and amphetamines, as well as compulsive and addictive behaviours, including pathological gambling and pathological overeating.

No. of Pages : 182 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.716/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : POROUS GELS BASED ON AROMATIC POLYUREA

(51) International classification	:C08G18/10
(31) Priority Document No	:09164027.6
(32) Priority Date	:29/06/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/058992
Filing Date	:24/06/2010
(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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(72)Name of Inventor :

**1)FRICKE Marc**

**2)SCH,,DLER Volker**

(57) Abstract :

The invention relates to a porous gel comprising the following components in reacted form: (a1) at least one polyfunctional isocyanate (a2) at least one polyfunctional aromatic amine and (a3) at least one polyalkylenepolyamine. The invention further relates to a process for preparing porous gels to the porous gels thus obtainable and to the use of the porous gels as an insulating material and in vacuum insulation panels.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.717/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : OTAMIXABAN FOR TREATMENT OF ELDERLY AND RENAL IMPAIRED NON-ST ELEVATION MYOCARDIAL INFARCTION PATIENTS

(51) International classification	:A61K31/4418	(71)Name of Applicant :
(31) Priority Document No	:09290601.5	<b>1)SANOFI</b>
(32) Priority Date	:29/07/2009	Address of Applicant :174 Avenue De France 75013 Paris
(33) Name of priority country	:EPO	France
(86) International Application No	:PCT/EP2010/060615	(72)Name of Inventor :
Filing Date	:22/07/2010	<b>1)STECHL Jens</b>
(87) International Publication No	: NA	<b>2)MORYUSEF Ang`le</b>
(61) Patent of Addition to Application Number	:NA	<b>3)GAUDIN Christophe</b>
Filing Date	:NA	<b>4)YTHIER-MOURY Pascale</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to the use of (2R 3R)-2-(3-carbamimidoyl-benzyl)-3-[4-(1-oxy-pyridin-4-yl) benzoylamino]-butyric acid methyl ester or a pharmaceutically acceptable salt thereof for the preparation of a medicament for use in non-ST elevation myocardial infarction said treatment comprising administering a therapeutically effective amount of (2R 3R)-2-(3-Carbamimidoyl-benzyl)-3-[4-(1-oxy-pyridin-4-yl) benzoylamino]-butyric acid methyl ester or a pharmaceutically acceptable salt thereof to a human patient who is elderly and/or shows renal insufficiency and/or has a low body weight.

No. of Pages : 29 No. of Claims : 14



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7171/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : CARDING MACHINE

(51) International classification :D01G15/28

(31) Priority Document No :356/09

(32) Priority Date :10/03/2009

(33) Name of priority country :Switzerland

(86) International Application No :PCT/CH2010/000052

Filing Date :03/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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Winterthur Switzerland

(72)Name of Inventor :

**1)MEDVETCHI Emil**

(57) Abstract :

The invention relates to carding machine (1) comprising a drum (4) and a working element (7, 8, 9) which spans a working width (B) of the drum (4) and is mounted in a stationary manner on both sides outside of the working width (B). The drum (4) is provided with a clothing (16) which is arranged opposite of the working element (7, 8, 9). As a result, a space (22) forms between the clothing (16) of the drum (4) and the working element (7, 8, 9). Means (23, 46, 47) for generating an adjusting force (F) for adjusting the space (22) between the drum clothing (16) and a working element (7, 8, 9) cooperating with the drum clothing (16) are provided along the extension of the space across the working width (B). Said means (23, 46, 47) are arranged inside the working element (7, 8, 9) and the adjusting force (F) is a magnetic force.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7172/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TIE ROAD

(51) International classification	:B62D7/20
(31) Priority Document No	:10 2009 001 535.3
(32) Priority Date	:13/03/2009
(33) Name of priority country	:Germany
(86) International Application No	:PCT/DE2010/050009
Filing Date	:11/03/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)RUMP Stefan**  
**2)ROSENGARTEN Andreas**  
**3)SOKOLIHS Dirk**

(57) Abstract :

The invention relates to a structural unit e.g. a tie rod comprising a tube (2) which is provided on at least one side with an internal thread (1) which turns in a first direction of rotation and into the end of which a threaded sleeve (3) is screwed wherein the threaded sleeve (3) has an internal thread (4) which turns in the direction opposite to the first direction of rotation and has a shank (5) screwed therein. According to the invention the entire threaded sleeve (3) is accommodated in the end section of the tube (2) and the threaded sleeve (3) has a coupling contour (6) on the opening side of the tube (2).

No. of Pages : 33 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7173/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : POLYESTER RESIN COMPOSITION&NBSP; PROCESS FOR PRODUCTION OF SAME&NBSP; AND FILM

(51) International classification	:C08L67/02	(71)Name of Applicant :
(31) Priority Document No	:2009-054872	<b>1)TORAY INDUSTRIES INC.</b>
(32) Priority Date	:09/03/2009	Address of Applicant :1-1 Nihonbashi-Muromachi 2-
(33) Name of priority country	:Japan	chome Chuo-ku Tokyo 103-8666 Japan
(86) International Application No	:PCT/JP2010/053203	(72)Name of Inventor :
Filing Date	:01/03/2010	<b>1)KOJIMA Hiroji</b>
(87) International Publication No	: NA	<b>2)SAKAMOTO Jun</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SUNAKO Mayumi</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for the production of a polyester resin composition by conducting polycondensation via esterification or transesterification wherein an alkali metal phosphate in an amount of 1.3 mol/ton to 3.0 mol/ton and phosphoric acid in an amount of 0.4 to 1.5 times (by mole) that of the alkali metal phosphate are added at a stage between the point of time when the esterification or transesterification has been substantially completed and the point of time when the intrinsic viscosity reaches 0.4. A polyester resin composition obtained by the process exhibits excellent long-term hydrolysis resistance and excellent mechanical characteristics.

No. of Pages : 50 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7174/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : STANDBY POWER SHUT-OFF DEVICE AND A CONTROL METHOD THEREFOR

(51) International classification :H01R13/66  
(31) Priority Document No :10-2009-0018704  
(32) Priority Date :05/03/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/001388  
Filing Date :05/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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Sindaebang-dong Dongjak-gu Seoul 156-010 Republic of  
Korea  
(72)**Name of Inventor :**  
**1)Chang-Ho KIM**

(57) Abstract :

The present invention relates to a standby power shut-off device for automatically shutting off standby power depending on whether an electronic product power source is on or off, and to a control method therefor. The present invention provides an electronic product which employs the standby power shutoff device and the control method therefor, and thus makes it possible to efficiently shut-off standby power using common types of power socket of the prior art rather than using a power socket with extra functionality added. Also, the present invention maximizes convenience to the user since standby power is automatically shut off when the electronic product power source is off, without unplugging from the power source.

No. of Pages : 66 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7175/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SERVICE PROCESSING METHOD&NBSP; COMMUNICATION SYSTEM AND RELEVANT DEVICES

(51) International classification :H04W8/20  
(31) Priority Document No :200910130199.9  
(32) Priority Date :25/03/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071247  
Filing Date :24/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)YAN Yongfu**  
**2)SUN Ruinan**  
**3)ZHU Wenjie**

(57) Abstract :

A service processing method and apparatus a communication system and a correlated device are provided. The method includes: a management client which is located in a user terminal obtains a ring tone setting processing request of a user; and the management client sends the ring tone setting processing request to a service server over a mobile network so that the service server performs a corresponding process according to the ring tone setting processing request. The service processing method and apparatus the communication system and the correlated device can be convenient for the user to set a ring tone reduce unnecessary network flows and effectively improve system security.

No. of Pages : 51 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7176/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : RADIO LINK CONTROL PROTOCOL DATA UNIT SIZE SELECTION IN DUAL CARRIER HSUPA

(51) International classification :H04L1/18  
(31) Priority Document No :61/168,911  
(32) Priority Date :13/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/030831  
Filing Date :13/04/2010  
(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

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**1)OZTURK Ozcan**

**2)SAMBHWANI Sharad Deepak**

**3)KAPOOR Rohit**

**4)GHOLMIEH Aziz**

(57) Abstract :

A method for using a flexible size radio link control (RLC) protocol data unit (PDU) on an uplink is described. A request for an RLC PDU is received from a medium access control (MAC) layer. Radio conditions for a first uplink carrier and a second uplink carrier are determined. A size of the RLC PDU is selected based on the radio conditions. The RLC PDU is generated. The RLC PDU is sent to the MAC layer.

No. of Pages : 55 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7177/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND DEVICE FOR DATA TRANSMISSION

(51) International classification :H04W28/00  
(31) Priority Document No :200910129507.6  
(32) Priority Date :20/03/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071122  
Filing Date :18/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)YU Weidong**  
**2)ZHOU Jun**

(57) Abstract :

A method for data transmission and equipment thereof are provided wherein the data transmission method includes the following steps: when the base station supports several wireless standards the Radio Equipment RE of the base station determines the wireless standards of the REs two ports respectively; and uses said two ports to transmit the data of the corresponding wireless standard respectively. By using the technical solution provided by the embodiment of the present invention the base station can support several wireless standards and can transmit the service data and the control data of multi-standard service data normally.

No. of Pages : 79 No. of Claims : 45

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7178/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :03/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHODS AND APPARATUS FOR ENABLING CONTEXT SENSITIVE INTERACTION WITH DISTRIBUTED CONTENT

(51) International classification :H04H60/63

(31) Priority Document No :61/168,324

(32) Priority Date :10/04/2009

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

(86) International Application No :PCT/US2010/030771

Filing Date :12/04/2010

(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

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(72)Name of Inventor :

**1)MITTAL Vineet**

**2)RAJAN Rajeev D.**

(57) Abstract :

A method and apparatus for obtaining content distributed to a wireless communications device is provided. The method may comprise receiving by a wireless communications device (WCD) a first content item distributed by a first service provider obtaining a bookmark wherein the bookmark couples at least one WCD operation identifying item to the first content item transmitting from the WCD to a second service provider a content item request coupled to the bookmark and receiving from the second service provider a second content item associated with the first content item through the transmitted content item request and the bookmark.

No. of Pages : 62 No. of Claims : 86



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7179/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MIXERS FOR A VISCOMETER AND METHODS AND COMPUTER-READABLE MEDIA FOR USING THE SAME•

(51) International classification	:G01N11/12
(31) Priority Document No	:61/162,802
(32) Priority Date	:24/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/028467
Filing Date	:24/03/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)NORCROSS CORPORATION**

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Massachusetts 02158-1898 U.S.A.

(72)**Name of Inventor :**

**1)Robert A. NORCROSS**

(57) Abstract :

The present invention is directed to mixers for viscometers and methods of using the same. Such inventions are applicable for example to industrial processes such as printing. One embodiment of the invention is directed to a viscosity control system including a viscosity sensor a mixing element a shaft fixedly attached to the mixing element and an actuator interfacing with the viscosity sensor and the shaft. The annular mixing element is oscillatable about an axis lying in a plane tangent to a point on a wall of the mixing element. The shaft is centered about the axis. The actuator receives a signal from the viscosity sensor and rotates the shaft and the mixing element in an oscillating manner about the axis. In some embodiments the shaft rotates through an angle of less than 360 degrees.

No. of Pages : 15 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.718/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : A METHOD AND APPARATUS FOR SEPARATING A DRIVER AND A PICK-OFF OF A VIBRATING SENSOR ASSEMBLY

(51) International classification :G01F1/84  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/US2009/049263  
Filing Date :30/06/2009  
(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)LANHAM Greogory Treat**  
**2)WERBACH Christopher A.**

(57) Abstract :

The present invention provides a vibrating sensor assembly (310). The vibrating sensor assembly (310) includes a conduit (103A) a driver (104) and at least a first pick-off (105). The driver (104) includes a first driver component (104a) and a second driver component (104b). The first pick-off (105) includes a first pick-off component (105a) and a second pick-off component (105b). The vibrating sensor assembly (310) also includes a first reference member (250). The first pick-off component (105a) is coupled to the conduit (103A) while the second pick-off component (105b) is coupled to the first reference member (250). The vibrating sensor assembly (310) also includes a second reference member (350). The first driver component (104a) is coupled to the conduit (103A) while the second driver component (104b) is coupled to the second reference member (350).

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7180/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SAFETY STRUCTURE FOR A RAILWAY LINE•

(51) International classification :E01B26/00

(31) Priority Document No :2002682

(32) Priority Date :30/03/2009

(33) Name of priority country :Netherlands

(86) Internatinal Application No :PCT/NL2010/050159

Filing Date :29/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

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Venlo The Netherlands

(72)**Name of Inventor :**

**1)Gerardus Majella BIESBROUCK**

**2)Johannes Antonius BAKKER**

(57) Abstract :

Safety structure for protecting a railway line consisting of a fencing which is supported on supports resting on the track bed. These supports are connected to a rail of a railway line which is present. The connection is effected by means of magnetic force. At their free ends, the supports are provided with permanent magnets having a shape such that they can be brought into engagement with the web of a rail. Due to the significant length of the supports, it is possible to apply a great torque to the magnets when the other end is engaged, that is to say that end which is turned away from the permanent magnets, as a result of which the magnet slides away along the web and can be detached therefrom. The magnet may consist of a number of magnets stacked on top of one another. The magnet is preferably arranged so as to be slightly displaceable with respect to the support to provide compensation for an uneven surface.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7181/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A PAINTING APPARATUS•

(51) International classification :B44D3/12  
(31) Priority Document N :0906453.6  
(32) Priority Date :15/04/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/EP2010/054943  
Filing Date :15/04/2010  
(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)AKZO NOBEL COATINGS INTERNATIONAL B.V.**  
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Arnhem The Netherlands  
(72)**Name of Inventor :**  
**1)ORD Christopher John**

(57) Abstract :

A painting apparatus comprising a paint container and a closure module the paint container having a screw threaded rim the closure module having a main housing and an outer ring the outer ring having a screw thread in which the outer ring is rotatable relative to the main housing such that the screw thread cooperates with the threaded rim of the paint container to secure the closure module onto the paint container without having to rotate the main housing relative to the paint container.

No. of Pages : 33 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7184/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR SUPPORTING USER EQUIPMENTS ON DIFFERENT SYSTEM BANDWIDTHS

(51) International classification :H04W72/04  
(31) Priority Document No :61/168,386  
(32) Priority Date :10/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/030623  
Filing Date :09/04/2010  
(87) International Publication No :WO 2010/118382 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)WANSHI CHEN**  
**2)PETER GAAL**  
**3)JUAN MONTOJO**  
**4)RAVI PALANKI**

(57) Abstract :

Techniques for supporting communication for different user equipments (UEs) on different system bandwidths are described. In one design, a base station transmits first control information to support communication for at least one first UE on a first system bandwidth and transmits second control information to support communication for at least one second UE on a second system bandwidth, which overlaps the first system bandwidth. The base station transmits data to the first and second UEs on the first and second system bandwidths, respectively. In one design, the base station receives third control information from the first UE(s) and fourth control information from the second UE(s) on a third system bandwidth. The base station receives data from the first UE(s) on the third system bandwidth and receives data from the second UE(s) on a fourth system bandwidth, which overlaps the third system bandwidth.

No. of Pages : 58 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7185/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : QOS MAPPING FOR RELAY NODES

(51) International classification :H04L12/46  
(31) Priority Document No :61/168,522  
(32) Priority Date :10/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/030761  
Filing Date :12/04/2010  
(87) International Publication No :WO 2010/118426 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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**3)GAVIN BERNARD HORN**

**4)PARAG ARUN AGASHE**

**5)XIAOLONG HUANG**

(57) Abstract :

Systems and methodologies are described that facilitate packet routing among relay nodes in a wireless network. Bearer quality of service (QoS) mapping is provided for internet protocol (IP) relays by utilizing differentiated services (DiffServ) code point (DSCP) values to determine a bearer for communicating related packets. In addition, SDF filtering at a gateway node can be modified to route packets over certain tunnels to provide QoS for the packets.

No. of Pages : 80 No. of Claims : 72

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7188/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR DIAGNOSING THROMBOPHILIA•

(51) International classification :G01N33/68  
(31) Priority Document No :09305412.0  
(32) Priority Date :07/05/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/05268  
Filing Date :07/05/2010  
(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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**2)CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -**

**3)UNIVERSITE RENE DESCARTES PARIS 5**

**4)ASSISTANCE PUBLIQUE HOPITAUX DE PARIS**

(72)Name of Inventor :

**1)LACROIX-DESMAZES Sbastien**

**2)MALLET Vincent**

**3)KAVERI Srinivas**

**4)POL Stanislas**

(57) Abstract :

The invention relates to a method for diagnosing thrombophilia in a subject suffering from HIV or from a systemic auto-immune disease said method comprising determining in a blood sample obtained from said subject the level of free Protein S having Activated Protein C (APC) cofactor activity and the level of total Protein S.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.719/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : LENS UNIT&NBSP; LIGHT EMITTING MODULE&NBSP; ILLUMINATION DEVICE&NBSP; DISPLAY DEVICE AND TELEVISION RECEIVER

(51) International classification	:F21S2/00	(71)Name of Applicant :
(31) Priority Document No	:2009-170342	<b>1)SHARP KABUSHIKI KAISHA</b>
(32) Priority Date	:21/07/2009	Address of Applicant :22-22 Nagaike-cho Abeno-ku
(33) Name of priority country	:Japan	Osaka-shi Osaka 545-8522 Japan
(86) International Application No	:PCT/JP2010/055059	(72)Name of Inventor :
Filing Date	:24/03/2010	<b>1)SHIMIZU Takaharu</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a lens unit (11) a support pin (12) is continuous with around for example a surface vertex (21T) on the lens surface (21S) of the lens (21). As with the lens (21) the support pin (12) is formed of a transparent material and an end (12M) is connected to part of the lens surface (21S) and a tip end (12P) extends to the side of a liquid crystal display panel (59).

No. of Pages : 43 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7192/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : WIRELESS COMMUNICATION SYSTEM, WIRELESS TRANSMISSION APPARATUS AND WIRELESS TRANSMISSION METHOD

(51) International classification :H04J11/00  
(31) Priority Document No :2009-056862  
(32) Priority Date :10/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/050281  
Filing Date :13/01/2010  
(87) International Publication No :WO 2010/103862  
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)HAMAGUCHI, YASUHIRO**  
**2)YOKOMAKURA, KAZUNARI**  
**3)NAKAMURA, OSAMU**  
**4)GOTO, JUNGO**  
**5)TAKAHASHI, HIROKI**

(57) Abstract :

Even when communication is performed independently in each CC (Component Carrier), the occurrence of an error in communication is prevented. Provided is a wireless communication system in which a wireless transmission apparatus and a wireless reception apparatus communicate with each other using a plurality of system frequency bands, wherein the wireless transmission apparatus performs transmission power control on transmission data in each of the system frequency bands, and furthermore, a maximum transmission power which can be transmitted in each of the system frequency bands can be controlled so as to be different from each other. Priorities are set on each of the system frequency bands, and transmission powers of the system frequency bands are determined in descending order of the priorities.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7198/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : THERMALLY FUSIBLE NON-WOVEN INTERLINING PROCESS FOR THE MANUFACTURE AND USE THEREOF

(51) International classification	:B32B27/02	(71)Name of Applicant :
(31) Priority Document No	:10 2009 014 290.8	<b>1)CARL FREUDENBERG KG</b>
(32) Priority Date	:25/03/2009	Address of Applicant :HOHNERWEG 2-4, 69469
(33) Name of priority country	:Germany	WEINHEIM Germany
(86) International Application No	:PCT/EP2010/000228	(72)Name of Inventor :
Filing Date	:16/01/2010	<b>1)BARTL, HEIKE</b>
(87) International Publication No	:WO 2010/108562	<b>2)STAUDENMAYER, OLIVER</b>
	A1	<b>3)KUHLEIN, THOMAS</b>
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a thermally fusible interlining nonwoven comprising a fusing layer (A) composed of at least one staple fibre web including at least 50% by weight (based on the layer (A)) of intermelted and/or non-inter melted thermoplastic staple fibres whose melting and/or softening temperature is in the range between 60 and 165°C, and also a layer (B) composed of at least one staple fibre web or nonwoven including from 80% by weight to 100% by weight (based on the layer (B)) of staple fibres having a softening and melting temperature or, if not applicable, a decomposition temperature above 170°C, wherein the layers (A) and (B) are bonded together. The invention further relates to a process for producing an interlining nonwoven of the invention and also to preferred uses of this interlining nonwoven.

No. of Pages : 46 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7208/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR TRANSMITTING INFORMATION BASED ON SOCIAL NETWORK

(51) International classification	:H04L12/56	(71)Name of Applicant :
(31) Priority Document No	:200910129405.4	<b>1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED</b>
(32) Priority Date	:18/03/2009	Address of Applicant :ROOM 403, EAST BLOCK 2, SEG
(33) Name of priority country	:China	PARK, ZHENXING ROAD, FUTIAN DISTRICT,
(86) International Application No	:PCT/CN2010/070849	SHENZHEN CITY 518044, GUANGDONG PROVINCE, PRC
Filing Date	:03/03/2010	China
(87) International Publication No	:WO 2010/105522 A1	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)YIN, YU</b>
Filing Date	:NA	<b>2)CAI, GENGPIING</b>
(62) Divisional to Application Number	:NA	<b>3)HU, HAIBIN</b>
Filing Date	:NA	

(57) Abstract :

A method and system for transmitting information based on social network is provided in the present invention, in order to solve the problem that information transmission within users of a social network may cost high resources. The method includes: calculating information transmission capacity of an obtained user identity according to user information corresponding to the obtained user identity; storing user identities of which transmission capacities are greater than a predetermined threshold into an initial seed user queue; and transmitting information to be sent to a client of which the user identity is stored in the initial seed user queue. Since information to be sent is targeted transmitted to users in a social network having relative high transmission capacities, the cost of information transmission within the users will be reduced.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7211/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHODS FOR CLONING AND MANIPULATING GENOMES•

(51) International classification C12N15/10  
(31) Priority Document No :61/158,320  
(32) Priority Date :06/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/026434  
Filing Date :05/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

**1)BENDERS GWYNEDD A.**

**2)GLASS JOHN I.**

**3)HUTCHISON CLYDE A.**

**4)LARTIGUE CAROLE**

**5)VASHEE SANJAY**

**6)ALGIRE MIKKEL A.**

**7)SMITH HAMILTON O.**

**8)MERRYMAN CHARLES E.**

**9)NOSKOV VLADIMIR N.**

**10)CHUANG RAY-YUAN**

**11)GIBSON DANIEL G.**

**12)VENTER J. CRAIG**

(57) Abstract :

Compositions and methods are disclosed herein for cloning a donor genome in a heterologous host cell. In one embodiment the donor genome can be further modified within a host cell. Modified or unmodified genomes can be further isolated from the host cell and transferred to a recipient cell. Methods disclosed herein can be used to alter donor genomes from intractable donor cells in more tractable host cells.

No. of Pages : 360 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7212/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR MANAGING COLOR RING BACK TONE SERVICE OF IP MULTIMEDIA SUBSYSTEM

(51) International classification :H04L29/08  
(31) Priority Document No :200910160003.0  
(32) Priority Date :15/07/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071227  
Filing Date :23/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**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)HAO GE**  
**2)TAO LU**  
**3)SONG SHEN**

(57) Abstract :

The present invention discloses a method and system for managing CRBT service of IMS. The method comprises: a CRBT server receiving a CRBT self-service call from a user providing a prompt tone to the user receiving a key-pressing operation which is performed by the user according to the prompt tone and managing the CRBT service of user according to the key-pressing operation. The present invention obtains the objective that a user is capable of managing its CRBT service directly so as to achieve the technical effect of saving human resource.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7213/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COGNITIVE INTERFERENCE MANAGEMENT IN WIRELESS NETWORKS WITH RELAYS&NBSP; MACRO CELLS&NBSP; MICRO CELLS&NBSP; PICO CELLS AND FEMTO CELLS

(51) International classification :H04B7/24  
(31) Priority Document No :635/CHE/2009  
(32) Priority Date :20/03/2009  
(33) Name of priority country :India  
(86) International Application No :PCT/IN2010/000162  
Filing Date :19/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :  
**1)Centre of Excellence in Wireless Technology**  
Address of Applicant :#152 CSD Building ESB IIT  
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(72)Name of Inventor :  
**1)Sheetal Kalyani**  
**2)Sunil Kaimalett**  
**3)Rajet Krishnan**  
**4)Nadeem Akhtar**  
**5)Jeniston Deviraj Klutto Milleth**  
**6)Kiran Kumar Kuchi**  
**7)Bhaskar Ramamurthi**

(57) Abstract :

Cognitive interference management in Cellular wireless network with relays and micro/pico/femto cells operated in distributed scheduling mode. A cellular system may use RS to improve capacity or for coverage extension. A RS relays the signals between BS 104 and MS by using wireless links between BS-RS and RS-MS during both downlink and uplink transmissions. Embodiments herein disclose a mechanism to explicitly indicate to the MS whether the MAC management messages sent by the BS to the MS are to inform it to perform scanning for interference measurement. Also disclosed herein is a mechanism to explicitly indicate to the BS whether the message sent by the MS is related to interference measurement.

No. of Pages : 94 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7214/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :04/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : APPLICATION SHARING

(51) International classification :G06F15/16

(31) Priority Document No :12/418,270

(32) Priority Date :03/04/2009

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

(86) International Application No :PCT/US2010/028088

Filing Date :22/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

**1)SOCIAL COMMUNICATIONS COMPANY**

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97405 U.S.A.

(72)**Name of Inventor :**

**1)ALEXANDER SAY GO**

**2)VLADIMIR PETTER**

(57) Abstract :

As attached

No. of Pages : 71 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7215/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MODELLING APPARATUS AND METHOD•

(51) International classification :H04L12/24

(31) Priority Document No :0906589.7

(32) Priority Date :16/04/2009

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

(86) International Appliation No :PCT/GB2010/050626

Filing Date :15/04/2010

(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 :**

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Kingdom.

(72)**Name of Inventor :**

**1)FOSTER Gerard Terence**

(57) Abstract :

A method of processing a model of a telecommunications network the telecommunications network including a plurality of network elements through which communications terminals can communicate data includes representing data communications sessions generated by the communications devices in accordance with a traffic profile and representing a processing performed by the network elements as the data is transmitted to and received from the communications devices in accordance with the traffic profile. The method includes dividing the network elements of the telecommunications network into a plurality of different groups for a first of the group of network elements being modelled loading computer program code representing the group of network elements being modelled into the computer memory and executing the computer program to model the first group of network elements within a first time period. Each of the groups is handled on a cyclic basis.

No. of Pages : 51 No. of Claims : 11



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7216/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVED DETECTION OF GENE EXPRESSION•

(51) International classification	:C12Q1/68
(31) Priority Document No	:61/160,935
(32) Priority Date	:17/03/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/EP2010/001674
Filing Date	:17/03/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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**2)BIOLOGICALS S.A.**

(72)Name of Inventor :

**1)OTTO Gaetan**

**2)BOVIE Catherine**

(57) Abstract :

An oligonucleotide primer or probe comprises the nucleotide sequence of any of SEQ ID NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 44 61 62 or 63. The oligonucleotide primer or probe is useful for the detection of the methylation status of a gene. The oligonucleotides find application in the diagnosis and treatment of cancer.

No. of Pages : 120 No. of Claims : 33

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7217/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVED CONTAINER CRANE

(51) International classification :B66C1/66  
(31) Priority Document No :200902082-7  
(32) Priority Date :24/03/2009  
(33) Name of priority country :Singapore  
(86) International Application No :PCT/SG2010/000105  
Filing Date :19/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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628051 Singapore  
(72)**Name of Inventor :**  
**1)ROBERT ARTHUR MILLS**  
**2)ZHANMIN TONG**  
**3)GHEE HUA NG**

(57) Abstract :

The invention provides a container crane comprising a frame having a trolley rail along which a trolley travels; said trolley supporting a twin spreader assembly for engaging one or more containers and; a docking station mounted to said frame; wherein said trolley is arranged to move said twin spreader assembly to the docking station and be placed therein.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7223/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : WHITE-BOX CRYPTOGRAPHIC SYSTEM WITH INPUT DEPENDENT ENCODINGS

(51) International classification :H04L9/06  
(31) Priority Document No :09154698.6  
(32) Priority Date :10/03/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/052846  
Filing Date :05/03/2010  
(87) International Publication No :WO 2010/102960  
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)IRDETO CORPORATE B.V.**  
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LS HOOFFDORP Netherlands  
(72)**Name of Inventor :**  
**1)MICHIELS, WILHELMUS, PETRUS, ADRIANUS,**  
**JOHANNUS**  
**2)GORISSEN, PAULUS, MATHIAS, HUBERTUS,**  
**MECHTILDIS, ANTONIUS**

(57) Abstract :

A white-box cryptographic system is presented wherein at least one of its internal values is represented using an input dependent encoding. The system comprises a network of plurality of basic blocks arranged for collectively performing a cryptographic operation. An encoder is arranged for encoding output data of a first one of the plurality of basic blocks into an encoder-output according to a selected one of a plurality of encoding schemes, said selection depending on an input-message to the system. A compensator is arranged for recoding intermediate data to compensate for the effect of the encoding according to a selected one of a plurality of recoding schemes. Using variable encodings instead of fixed encodings complicates reverse engineering the white-box cryptographic system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7233/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : EMULSIONS OF PERFLUOROCARBONS•

(51) International classification :C07C23/00

(31) Priority Document No :61/212,689

(32) Priority Date :15/04/2009

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

(86) International Application No :PCT/US2010/031320

Filing Date :15/04/2010

(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)OXYGEN BIOTHERAPEUTICS INC.**

Address of Applicant :One Copley Parkway Suite 490  
Morrisville NC 27560 U.S.A.

(72)Name of Inventor :

**1)Richard KIRAL**

**2)Deborah P. THOMPSON**

**3)Gary CLAUSON**

(57) Abstract :

The subject application provides for an emulsion comprising an amount of a perfluorocarbon liquid dispersed as particles within a continuous liquid phase wherein the dispersed particles have a monomodal particle size distribution and uses thereof. The subject application also provides for a method of manufacturing a perfluorocarbon emulsion a process for preparing a pharmaceutical product containing a PFC emulsion and a process for validating a batch of an emulsion for pharmaceutical use.

No. of Pages : 90 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7234/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING SHEATH LOCATION

(51) International classification :A61M25/06  
(31) Priority Document No :12/421,375  
(32) Priority Date :09/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/030534  
Filing Date :09/04/2010  
(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 :**  
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**1)TOBY H. MARKOWITZ**  
**2)CHAD GIESE**  
**3)JEFF JANNICKE**  
**4)STEVEN L. WALDHAUSER**

(57) Abstract :

A system for determining a location of an instrument within an anatomy is provided. The system can include a first instrument which can define at least one lumen. The system can further include a second instrument which can be received through the at least one lumen. The system can include at least one electrode which can be coupled to a distal end of the first instrument. The electrode can be responsive to electrical activity to generate at least one signal. The system can include a sensing unit which can be in contact with the anatomy to sense electrical activity within the anatomy at a location near the instrument. The sensing unit can be in communication with the electrode to receive the signal. The system can further include a control module that can determine based on the sensed electrical activity and the signal the location of the first instrument.

No. of Pages : 31 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7235/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR PRODUCING SUGARS FROM LIGNOCELLULOSIC BIOMASS&NBSP;  
COMPRISING THE STEP OF ALCOHOLIC-ALKALINE DELIGNIFICATION IN THE PRESENCE OF H2O2•

(51) International classificaion :C12P7/10  
(31) Priority Document No :A 670/2009  
(32) Priority Date :30/04/2009  
(33) Name of priority country :Austria  
(86) International Application No :PCT/AT2010/000137  
Filing Date :30/04/2010  
(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 :**  
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(72)**Name of Inventor :**  
**1)FACKLER Karin**  
**2)MESSNER Kurt**  
**3)KRONGTAEW Chularat**  
**4)ERTL Ortwin**

(57) Abstract :

A method for the preparation of carbohydrate cleavage products characterized by the combination of the measures that the lignocellulosic material is treated with an aqueous solution containing hydrogen peroxide an alcohol in particular a C1-4z alcohol or a phenol and a base in order to oxidatively break down lignocellulose and to separate cleavage products from the material and that the obtained material enriched with cellulose and hemicelluloses is treated with a carbohydrate-cleavage enzyme in order to prepare the carbohydrate cleavage products.

No. of Pages : 21 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7236/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR MANAGING PATENT LICENSES

(51) International classification :G06Q50/00

(31) Priority Document No :61/171,028

(32) Priority Date :20/04/2009

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

(86) International Application No :PCT/US2010/031659

Filing Date :19/04/2010

(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

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(72)**Name of Inventor :**

**1)HORN Lawrence**

**2)MLADINICH Scott**

**3)ZHENG Lihua**

(57) Abstract :

A system is provided for managing patent licenses. The system comprises at least one memory including a first memory location for storing a signal representing a plurality of patent licenses available for procurement. The system also comprises at least one network interface for receiving a signal from a user designating at least one of the licenses for procurement. The system furthermore comprises at least one processor for processing a procurement transaction by which the user procures the at least one designated license. The at least one memory further comprises a second memory location for storing a signal representing information pertinent to the procurement transaction including information regarding an identity of the user and information regarding the procured license.

No. of Pages : 58 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7237/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR SUPPORTING HARQ TRANSMISSION DURING COMPONENT CARRIER REALLOCATION

(51) International classification :H04L1/18  
(31) Priority Document No :61/164,789  
(32) Priority Date :30/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029225  
Filing Date :30/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)Research In Motion Limited**  
Address of Applicant :295 Phillip Street Waterloo Ontario  
N2L 3W8 Canada  
(72)**Name of Inventor :**  
**1)CAI Zhijun**  
**2)YU Yi**

(57) Abstract :

A method for supporting Hybrid Automatic Repeat Request (HARQ) transmission during component carrier (CC) reallocation. The method includes starting a HARQ process using a first CC allocating a second CC mapping the HARQ process from the first CC to the second CC and transmitting remaining HARQ data associated with the HARQ process using the second CC. Also included is a method for supporting HARQ transmission during CC reallocation comprising starting a HARQ process using a first CC determining to allocate a second CC waiting until completion of the HARQ process using the first CC before allocating the second CC and beginning another HARQ process on the second CC. Included is a method comprising starting a HARQ process using a first CC allocating a second CC discontinuing transmission using the first CC before completion of the HARQ process and restarting new data using the second CC.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7238/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : USER EQUIPMENT COMPONENT CARRIER ALLOCATION

(51) International classification :H04W72/04

(31) Priority Document No :61/164,788

(32) Priority Date :30/03/2009

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

(86) International Application No :PCT/US2010/029226

Filing Date :30/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**2)YU Yi**

(57) Abstract :

A method for configuring at least one component carrier (CC) for a physical downlink shared channel (PDSCH). The method includes receiving a CC configuration using a signaling protocol wherein the CC is assigned using a semi-static configuration. Also included is a user equipment (UE) comprising a processor configured to receive a CC configuration for at least one CC for a PDSCH using a signaling protocol wherein the CC is assigned using a semi-static configuration. Also included is an access node comprising a processor configured to transmit a CC configuration for at least one CC for a PDSCH using a signaling protocol wherein the CC is assigned using a semi-static configuration.

No. of Pages : 25 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7239/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SUPPLY-REGULATED PHASE-LOCKED LOOP (PLL) AND METHOD OF USING

(51) International classification :H03L7/099

(31) Priority Document No :12/430,104

(32) Priority Date :26/04/2009

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

(86) International Application No :PCT/US2010/032456

Filing Date :26/04/2010

(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

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U.S.A.

(72)**Name of Inventor :**

**1)RAGHUNATHAN Ashwin**

**2)PEDRALI-NOY Marzio**

(57) Abstract :

A supply-regulated Phase-locked loop (PLL) is provided. The PLL comprises a supply-regulating loop a voltage-controlled oscillator (VCO) and a programmable decoupling capacitor array for the VCO. The capacitance of the VCO decoupling capacitor array is adjustable to be equal to N times CUNIT where N is the current value of a multiplication factor of a divide-by-N circuit and CUNIT is a unit capacitance characterized for a processing technology chosen for fabricating the decoupling capacitor array. When the PLL switches from one frequency band to another a higher-order pole introduced by the VCO decoupling capacitor tracks the PLL reference frequency thus improving the PLL operational stability.

No. of Pages : 42 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7240/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SNAP ACTION VALVE WITH BUMPER PAD

(51) International classification :F16K1/18  
(31) Priority Document No :12/424,915  
(32) Priority Date :16/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028105  
Filing Date :22/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)JASON LEFLER**

**2)WILLIAM E. HILL**

**3)JORDAN SAHS**

(57) Abstract :

A rotary valve plate adapted for housing within a conduit employs a vibration absorbing bumper pad coupled to the valve plate at a surface thereof adapted to contact an inner surface of the conduit whenever the valve plate is rotated to a closed position. The bumper pad minimizes vibratory noise and improves the durability of the valve plate over extended periods of operation.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7241/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : RANK AND PRECODING INDICATION FOR MIMO OPERATION

(51) International classification :H04L25/03

(31) Priority Document No :61/172,145

(32) Priority Date :23/04/2009

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

(86) International Application No :PCT/US2010/032298

Filing Date :23/04/2010

(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

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**1)GAAL Peter**

**2)ZHANG Xiaoxia**

**3)CHEN Wanshi**

**4)LUO Xiliang**

**5)MONTJO Juan**

(57) Abstract :

Certain aspects of the present disclosure relate to a technique for signaling rank and precoding indications in uplink and downlink MIMO operations using codebook and non-codebook based precoding.

No. of Pages : 39 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7243/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : CONTROL OF RADIO LINKS IN A MULTIPLE CARRIER SYSTEM

(51) International classification :H04W72/04

(31) Priority Document No :61/169,310

(32) Priority Date :15/04/2009

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

(86) International Application No :PCT/US2010/031166

Filing Date :15/04/2010

(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

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**1)GHOLMIEH Aziz**

**2)ZHANG Danlu**

**3)SAMBHWANI Sharad Deepak**

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**5)HOU Jilei**

**6)MOHANTY Bibhu Prasad**

**7)OZTURK Ozcan**

**8)BHARADWAJ Arjun**

**9)LEE Heechoon**

(57) Abstract :

Methods systems and apparatuses for controlling radio links in a multiple carrier wireless communication system are disclosed. A method can include aggregating control functions from at least two carriers onto one carrier to form an anchor carrier and one or more associated secondary carriers; establishing communication links for the anchor carrier and each secondary carrier; and controlling communication based on the anchor carrier.

No. of Pages : 40 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7244/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :05/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : JAMMER DETECTION BASED ADAPTIVE PLL BANDWIDTH ADJUSTMENT IN FM RECEIVER

(51) International classification :H04B1/10  
(31) Priority Document No :12/430,106  
(32) Priority Date :26/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/032455  
Filing Date :26/04/2010  
(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 :**  
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(72)**Name of Inventor :**  
**1)ZENG Yi**  
**2)PAN Tzu-Wang**  
**3)LIN I-Hsiang**  
**4)DUNWORTH Jeremy**  
**5)TRIKHA Pushp**  
**6)APTE Rahul**

(57) Abstract :

A frequency synthesizer within an FM receiver employs a Phase-Locked Loop (PLL) to generate a Local Oscillator (LO) signal. The LO signal is supplied to a mixer. The FM receiver also includes jammer detection functionality. If no jammer is detected then the loop bandwidth of the PLL is set to have a relatively high value thereby favoring suppression of in-band residual FM. If a jammer is detected then the loop bandwidth of the PLL is set to have a relatively low value thereby favoring suppression of out-of-band SSB phase noise. By adaptively changing loop bandwidth depending on whether a jammer is detected performance requirements on sub-circuits within the PLL can be relaxed while still satisfying in-band residual FM and out-of-band SSB phase noise requirements. By allowing the VCO of the PLL to generate more phase noise due to the adaptive changing of loop bandwidth VCO power consumption can be reduced.

No. of Pages : 31 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7245/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COSMETIC COMPOSITION COMPRISING A COLOURING MATERIAL&NBSP; COLOURING MATERIAL&NBSP; AND COSMETIC TREATMENT METHOD

(51) International classification :A61Q1/10  
(31) Priority Document No :0951503  
(32) Priority Date :11/03/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/050355  
Filing Date :03/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)LOREAL**  
Address of Applicant :14 rue Royale F-75008 Paris (FR)  
France  
(72)**Name of Inventor :**  
**1)JEANNE-ROSE Valrie**

(57) Abstract :

The present invention relates to a cosmetic composition comprising in a cosmetically acceptable medium a dyestuff comprising a biopolyester comprising repeating units of formula (I): and a coloring compound chosen from liposoluble dyes water-soluble dyes mineral pigments and organic pigments. The invention also relates to the dyestuff per se and to a cosmetic process for treating keratin materials comprising the application of said cosmetic composition.

No. of Pages : 36 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7246/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SOLAR CONCENTRATOR

(51) International classification	:H01L31/00
(31) Priority Document No	:61/178,069
(32) Priority Date	:14/05/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/051994
Filing Date	:06/05/2010
(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 :**

**1)AEROSUN TECHNOLOGIES AG.**

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(72)**Name of Inventor :**

**1)ELI SHIFMAN**

(57) Abstract :

Apparatus (24) including a photovoltaic cell (22) and a concave primary reflector (26) configured to focus a first portion of incoming radiation toward a focal point (30). The apparatus also includes a secondary reflector (38) which is positioned between the concave primary reflector and the focal point so as to direct the focused radiation toward the photovoltaic cell and which has a central opening (44) aligned with the photovoltaic cell. The apparatus further includes a transmissive concentrator (54) positioned so as to focus a second portion of the incoming radiation through the central opening onto the photovoltaic cell.

No. of Pages : 43 No. of Claims : 32



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7247/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMPUTING EVEN-SIZED DISCRETE COSINE TRANSFORMS•

(51) International classification :G06F17/14  
(31) Priority Document No :61/169,418  
(32) Priority Date :15/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Appication No :PCT/US2010/031314  
Filing Date :15/04/2010  
(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 :**

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(72)**Name of Inventor :**

**1)REZNIK Yuriy**

(57) Abstract :

In general techniques are described for computing even-sized discrete cosine transforms (DCTs). For example a coding device may implement these techniques. The coding device includes a DCT-II unit that first determines whether a DCT-II to perform is a multiple of two and in response to determining that the DCT-II to perform is a multiple of two performs the DCT-II. To perform the DCT-II the DCT-II unit computes a butterfly and reverses an order of a first sub-set of the outputs of the butterfly. The DCT-II unit then recursively subtracts the reverse-ordered first sub-set of the butterfly outputs. The DCT-II unit computes a sub-DCT-II for a second sub-set of the butterfly outputs and a sub-DCT-III for the recursively subtracted first set of butterfly outputs. The DCT-II unit reorders the outputs produced by the sub-DCT-II and sub-DCT-III to generate output values of the DCT-II.

No. of Pages : 67 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7248/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : IMPROVEMENTS IN OR RELATING TO COOLING

(51) International classification :G06F1/20  
(31) Priority Document No :12/432,199  
(32) Priority Date :29/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/032824  
Filing Date :28/04/2010  
(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 :**

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(72)**Name of Inventor :**

**1)ROBERT TOZER**

**2)CULLEN BASH**

**3)CHANDRAKANT PATEL**

(57) Abstract :

According to one embodiment an equipment enclosure (102a) includes a plurality of equipment elements (104a and 104b) each element having one or more heat generating sources. A heat exchanger (108a) is mounted towards the top of the equipment enclosure (102a). The heat exchanger (108a) is thermally coupled to at least some of the heat generating sources. The enclosure (102a) includes an exhaust vent (112) through which air heated by the heat exchanger (108a) may be evacuated and an inlet vent (114) through which air from outside the equipment enclosure (102a) may be drawn into the equipment enclosure (102a) to cool the heat exchanger (108a) by stack effect ventilation.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7249/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS TO PREPARE A LOW-SODIUM SALT PRODUCT&NBSP; PRODUCT OBTAINABLE THEREBY AND THE USE THEREOF•

(51) International classification	:A23L1/237	(71)Name of Applicant :	
(31) Priority Document No	:09159049.7	1)AKZO NOBEL CHEMICALS INTERNATIONAL B.V.	
(32) Priority Date	:29/04/2009	Address of Applicant :Stationsstraat 77 NL-3811 MH	
(33) Name o priority country	:EPO	Amersfoort The Netherlands	
(86) International Application No	:PCT/EP2010/053638	(72)Name of Inventor :	
Filing Date	:19/03/2010	1)STOKKERS GERRIT JAN	
(87) International Publication No	: NA	2)ALTENA EVERT	
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

The present invention relates to a process to prepare a salt product containing sodium chloride (NaCl) and at least one additive wherein the salt product has a particle size of from 50 µm to 10 mm which process comprises the steps of: a) optionally crushing a sodium chloride-containing material to a particle size that is between 1 000 times smaller and 3 times smaller than the size of the final salt product; b) optionally crushing the at least one additive starting material to a particle size that is between 0.5 and 2 times the particle size of the sodium chloride-containing material particles resulting from step a.); c) subsequently mixing the sodium chloride-containing material particles of a particle size that is between 1 000 ....

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7252/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : EDITING OF 2D SOFTWARE CONSUMABLES WITHIN A COMPLEX 3D SPATIAL APPLICATION

(51) International classification :G06Q10/00  
(31) Priority Document No :12/421,367  
(32) Priority Date :09/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/030616  
Filing Date :09/04/2010  
(87) International Publication No :WO 2010/118378 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)GARLAND, HARRY, B.**

(57) Abstract :

A set of methods and tools are described that permit a user to interact with a two dimensional (2D) photograph or image as if photograph or image is a three dimensional (3D) image of photograph.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7256/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PROCESS FOR PREPARING ISOCYANATES

(51) International classification :C07C263/10  
(31) Priority Document No :09157627.2  
(32) Priority Date :08/04/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/054561  
Filing Date :07/04/2010  
(87) International Publication No :WO 2010/115908  
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)LEHR, VANESSA SIMONE**

**2)KNOESCHE, CARSTEN**

**3)MATTHE, TORSTEN**

(57) Abstract :

The invention relates to a process for preparing isocyanates by reacting the corresponding amines with phosgene, optionally in the presence of an inert medium, in which phosgene and amine are first mixed and converted to the isocyanate in a reactor, and in which a reaction gas which comprises isocyanate and hydrogen chloride leaving the reactor is cooled in a quench by adding a liquid quench medium to form a mixture of reaction gas and quench medium as the product stream. The walls of the quench are essentially completely wetted with a liquid.

No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7257/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : AIR BATTERY

(51) International classification	:H01M12/06
(31) Priority Document No	:2009-055641
(32) Priority Date	:09/03/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/053808
Filing Date	:08/03/2010
(87) International Publication No	:WO 2010/104043
	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)SATO, TAKASHI**  
**2)YAMAMOTO, TAKETSUGU**

(57) Abstract :

There is provided an air battery that has sufficient discharge performance and can withstand prolonged use. The air battery having an electrode and a polymer film, wherein the polymer film is situated on the air intake side of the electrode, and the polymer film is a film of a polymer of an alkyne having at least one aromatic group.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7260/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A METHOD BASE STATION AND USER EQUIPMENT FOR REDUCING A COGNITIVE PILOT CHANNEL BANDWIDTH

(51) International classification :H04W48/08  
(31) Priority Document No :09157745.2  
(32) Priority Date :09/04/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/JP2010/002627  
Filing Date :09/04/2010  
(87) International Publication No :WO 2010/116765  
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)TRING, JEROME**  
**2)KORBAA, LAHOUARI**  
**3)MOUHOUCHE, BELKACEM**

(57) Abstract :

The invention relates to a method for reducing a Cognitive Pilot Channel (CPC) bandwidth used for transmitting lists of information to a plurality of meshes of a geographical area comprising at least one base station (4) covering n meshes to allow a User Equipment camping on a given mesh among said plurality of meshes to select an operator and/or an access technology and/or a communication frequency available in said given mesh. According to the invention, for a given mesh #i (i=2 to n), the base station transmits to said mesh #i an identifier of a predetermined reference mesh and the difference between the list of information intended for said given mesh and the list of information intended for said reference mesh.

No. of Pages : 12 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7265/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : INCREASING MESOPORES IN ABSORBENTS

(51) International classification :C01B31/08

(31) Priority Document No :0904196.3

(32) Priority Date :11/03/2009

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

(86) International Application No :PCTGB2010/050426

Filing Date :01/01/1900

(87) International Publication No :WO 2010/10332

(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)BRANTON, PETER**

**2)KANEKO, KATSUMI**

**3)SONG, LEI**

**4)URITA, KOKI**

(57) Abstract :

The present invention provides a method for incorporating mesopores into microporous carbon, the method comprising treating granular microporous carbon with an alkaline earth metal salt such as calcium nitrate or an alkali metal salt. The present invention also provides mesoporous carbon produced using said method and smoking articles and smoke filters comprising said mesoporous carbon.

No. of Pages : 21 No. of Claims : 16



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7267/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : INDANE DERIVATIVES

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:09157744.5	<b>1)N.V. ORGANON</b>
(32) Priority Date	:09/04/2009	Address of Applicant :KLOOSTERSTRAAT 6, NL-5349
(33) Name of priority country	:EPO	AB OSS Netherlands
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)GILLEN, KEVIN JAMES</b>
(87) International Publication No	: NA	<b>2)GILLESPIE, JONATHAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)JAMIESON, CRAIG</b>
Filing Date	:NA	<b>4)MACLEAN, JOHN KINNAIRD FERGUSON</b>
(62) Divisional to Application Number	:NA	<b>5)MOIR, ELIZABETH MARGARET</b>
Filing Date	:NA	<b>6)RANKOVIC, ZORAN</b>

(57) Abstract :

The present invention relates to anindane derivative according to formula I wherein the variables are defined as in the specification, or to a pharmaceutically acceptable salt or solvate thereof. The present invention also relates to a pharmaceutical composition comprising one or more of said indane derivatives and to their use in therapy, for instance in the treatment or prevention of psychiatric diseases where an enhancement of synaptic responses mediated by AMPA receptors is required, including schizophrenia, depression and Alzheimer's disease.

No. of Pages : 69 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7273/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TRACKING RECEIVER DEVICES WITHIN WIRELESS POWER REGIONS

(51) International classification :H04B5/00  
(31) Priority Document No :61/164,410  
(32) Priority Date :28/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028742  
Filing Date :25/03/2010  
(87) International Publication No :WO 2010/117665 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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**2)ANNE KATRIN KONERTZ**

**3)VIRGINIA WALKER KEATING**

**4)CRAIG LAUER**

**5)MICHAEL JOHN MANGAN**

(57) Abstract :

Exemplary embodiments are directed to communicating information relating to wireless charging. A power transmitting system includes a host device with a transmit antenna. A communication interface conveys receiver information, which includes unique identifier information, from a receiver device to the host device. A controller on the host device monitors and processes the receiver information to generate notification information, which is presented to a user on a user-perceivable notifier. The transmit antenna generates an electromagnetic field at a resonant frequency to create a coupling- mode region within a near-field of the transmit antenna. The system can detect a presence of a receiver device with a receive antenna that is in the coupling-mode region and process a request for power from the receiver device. The system can also notify a user when a host device is leaving a designated region and whether the host device includes expected receiver devices.

No. of Pages : 54 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7278/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR IMAGE COMPRESSION

(51) International classification :H04N11/02  
(31) Priority Document No :61/167,536  
(32) Priority Date :08/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/030425  
Filing Date :08/04/2010  
(87) International Publication No :WO 2010/118254 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)ZAROM, RONY**

(57) Abstract :

A system and method may compress a digital image. A storage unit may store a dictionary having a plurality of predetermined template patterns each identified by a code. A decomposition module may divide the image into a plurality of sub-regions. A compression module may select a template pattern from the dictionary that most closely matches an image features for each sub-region. The compression module may generate a compressed data set for the image in which each sub-region is represented by a code identifying the template pattern selected therefore. Once the data is compressed, a decompression unit may use the code from the compressed data set to retrieve the template pattern from the dictionary for each sub-region and may reconstruct a full image by combining the template patterns for all of the sub-regions. An output device may display the reconstructed image.

No. of Pages : 23 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7285/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : INTRODUCING OBJECTS INTO ELONGATE SMOKING ARTICLES

(51) International classification	:A24B3/02	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:0906192.0	<b>1)BRITISH AMERICAN TOBACCO (INVESTMENT S)</b>
(32) Priority Date	:09/04/2009	<b>LIMITED</b>
(33) Name of priority country	:U.K.	Address of Applicant :GLOBE HOUSE, 1 WATER
(86) International Application No	:PCT/EP2010/054374	STREET, LONDON WC2R 3LA U.K.
Filing Date	:31/03/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2010/115829	<b>1)NAENEN, RENE</b>
A1		<b>2)KALJURA, KARL</b>
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus for making an object assembly for use in the manufacture of smoking articles comprises a conveyance path for conveying an elongate member and a delivery mechanism configured to deliver objects onto the elongate member conveyed along the path such that a plurality of rows of objects are formed along the length thereof.

No. of Pages : 47 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7286/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MULTI-PRIMER AMPLIFICATION METHOD FOR BARCODING OF TARGET NUCLEIC ACIDS

(51) International classification :C12Q1/68  
(31) Priority Document No :61/166,181  
(32) Priority Date :02/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029854  
Filing Date :02/04/2010  
(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

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**1)ANDREW MAY**  
**2)PEILIN CHEN**  
**3)JUN WANG**  
**4)FIONA KAPER**  
**5)MEGAN ANDERSON**

(57) Abstract :

In certain embodiments the present invention provides amplification methods in which nucleotide tag(s) and optionally a barcode nucleotide sequence are added to target nucleotide sequences. In other embodiments the present invention provides a microfluidic device that includes a plurality of first input lines and a plurality of second input lines. The microfluidic device also includes plurality of sets of first chambers and a plurality of sets of second chambers. Each set of first chambers is in fluid communication with one of the plurality of first input lines. Each set of second chambers is in fluid communication with one of the plurality of second input lines. The microfluidic device further includes a plurality of first pump elements in fluid communication with a first portion of the plurality of second input lines and a plurality of second pump elements in fluid communication with second portion of plurality of second input lines.

No. of Pages : 147 No. of Claims : 95

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7287/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :07/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : COMPOSITIONS COMPRISING A FATTY ACID OIL MIXTURE AND A SURFACTANT&NBSP; AND METHODS AND USES THEREOF

(51) International classification :A61K9/48  
(31) Priority Document No :61/158,613  
(32) Priority Date :09/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/IB2010/000824  
Filing Date :09/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**1)HUSTVEDT Svein Olaf**  
**2)OLESEN Preben Houlberg**  
**3)BERGE Gunnar**  
**4)KLAVENESS Jo Erik Johnsrud**

(57) Abstract :

A preconcentrate comprising a fatty acid oil mixture that contains EPA and DHA preferably in the form of ethyl ester or triglyceride and at least one surfactant. The preconcentrates are capable of forming a self-nanoemulsifying drug delivery system a self-microemulsifying drug delivery system or a self-emulsifying drug delivery system (SNEDDS SMEDDS or SEDDS) in an aqueous solution. The application is also directed to a food supplement preconcentrate.

No. of Pages : 60 No. of Claims : 154

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7288/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DEVICE FOR LOCATING CRASHED AIRCRAFT

(51) International classification :B64D25/20

(31) Priority Document No :200901413

(32) Priority Date :15/06/2009

(33) Name of priority country :Spain

(86) International Application No :PCT/ES2010/000259

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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**1)CARVAJAL Y URQUIJO Isabel**

(57) Abstract :

The present invention consists of a device especially configured for enabling locating an aircraft quickly which due to an accident has fallen in an area where the search for the remains is especially difficult such as the sea or mountainous areas. It is made up of a container (1) with an automated lock (7) divided internally into two chambers (2 and 3) in which metal sheets (4) and hollow spheres (5) are introduced; an attached beacon (6) a memory circuit (14); and it is operated by means of an automated control. All these elements form an assembly as a result of a protective and waterproof shell (8) joining them together. It also has an anchor (10) joining it to the outer part of the aircraft where it is arranged which allows automating the release of the device as the result of a signal indicating the imminence of an accident.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7291/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : AN ELECTRIC TRANSFORMER WITH IMPROVED COOLING SYSTEM

(51) International classification :H01F27/28

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2009/052911

Filing Date :12/03/2009

(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)BONIN Massimo**

**2)HRKAC Miljenko**

(57) Abstract :

An electric transformer comprising: a magnetic core; at least one coil assembly which is positioned around a portion of the magnetic core and comprises a plurality of windings; a structure adapted for applying a clamping force on the magnetic core and/or the windings; and a cooling circuit adapted for conveying cooling fluid directly inside the coil assembly.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7292/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND DEVICE FOR SUPERVISING THE ALERT OF LIN NETWORK SLAVE MEMBERS BY ANALYZING THE REASONS FOR THE ALERT

(51) International classification :G06F13/42  
(31) Priority Document No :0951534  
(32) Priority Date :12/03/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/050374  
Filing Date :05/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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Villacoublay France  
(72)**Name of Inventor :**  
**1)PEREZ ARZOZ Nuria**  
**2)BOISSERIE Antony**

(57) Abstract :

A device (D) is dedicated to supervising the alert of slave members (OE 1 -0E5) for an UN multiplex communication network (R) that is managed by a master member (OM). When the master member (OM) has detected activity in the network (R) during a standby phase said device (D) is set up i) to order the master member (OM) to send to at least some of the slave members (OE10E5) and preferably to all those capable of originating an alert request dedicated query messages to which they must reply respectively by means of a reply message comprising a status field the value of which represents a local or non-local origin of the detected activity then ii) analyze the value of the status field of each reply message received by the master member (OM) so as to determine if at least one slave member is originating the activity and in the

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7296/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR PORTIONING OUTPUT CURRENT OF A DC-DC CONVERTER BETWEEN ITS OUTPUT CAPACITOR AND ITS POWER STAGE

(51) International classification :H02M3/335  
(31) Priority Document No :12/403,771  
(32) Priority Date :13/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/026949  
Filing Date :11/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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Kingston RI 02892 U.S.A.  
(72)**Name of Inventor :**  
**1)REILLY David E.**

(57) Abstract :

At least some aspects of the invention are directed to methods and apparatus for controlling an uninterruptible power supply and subsystems of a UPS. A first aspect of the invention is directed to a method of controlling a DC-DC converter (30) having a predetermined maximum peak load current value. The DC-DC converter has first and second outputs to couple to a load (62) with a capacitor (52) coupled across the first and second outputs. The method includes in a first mode of operation charging the capacitor to a predetermined output voltage value and in a second mode of operation providing output current having the maximum peak load current value to a load coupled to the output of the DC-DC converter and a second portion of the output current is provided by discharging the capacitor to a voltage value that is less than the predetermined output voltage value.

No. of Pages : 18 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7297/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING SLEEP MODE OPERATION IN A COMMUNICATION SYSTEM

(51) International classification :H04W52/02  
(31) Priority Document No :10-2009-0020525  
(32) Priority Date :11/03/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/001462  
Filing Date :09/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
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**2)Jung-Je SON**  
**3)Hyun-Jeong KANG**

(57) Abstract :

A method and apparatus for controlling a sleep mode operation of a Mobile Station (MS) in a communication system in which the sleep mode operates according to a sleep cycle including a listening window corresponding to an awake mode and a sleep window corresponding to a sleep state. The method includes starting a preset timer if there is a transmission of data between the MS and a Base Station (BS) during the listening window restarting the timer upon receiving at least one of UpLink (UL) data DownLink (DL) data and MAP Information Element (IE) indicating resource allocation from the BS during the listening window maintaining the listening window until the timer expires and transitioning to the sleep window if the timer expires.

No. of Pages : 46 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7298/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DUAL-MODE COMPRESSION OF IMAGES AND VIDEOS FOR RELIABLE REAL-TIME TRANSMISSION

(51) International classification :H04N7/24  
(31) Priority Document No :61/185,560  
(32) Priority Date :09/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/037824  
Filing Date :08/06/2010  
(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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(72)**Name of Inventor :**  
**1)LIU Wei**  
**2)GHARAVI-ALKHANSARI Mohammad**  
**3)TABATABAI Ali**  
**4)YAGASAKI Yoichi**

(57) Abstract :

Dual-mode compression of images/videos for reliable real-time transmission includes a scalable block-based video compression. The method provides graceful quality degradations in case of channel bandwidth changes. Prediction for encoding is avoided and the process is less complex with less memory requirements. The method involves processing each block independently with the advantage that errors are not able to propagate beyond current block boundaries. Two different encoding modes are used natural image coding for acquired images and graphics coding for computer generated images. The proper encoding mode is chosen by comparing performance of the two modes for a particular block to be encoded. An embedded bitstream is generated by the encoder in accordance to the available channel bandwidth.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7300/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : EMBEDDED GRAPHICS CODING FOR IMAGES WITH SPARSE HISTOGRAMS

(51) International classification :H04N7/24  
(31) Priority Document No :61/185,557  
(32) Priority Date :09/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/037827  
Filing Date :08/06/2010  
(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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0075 Japan.  
(72)**Name of Inventor :**  
**1)LIU Wei**  
**2)GHARAVI-ALKHANSARI Mohammad**

(57) Abstract :

Processes for compressing images with sparse histograms are disclosed. The image is divided into blocks and a bit budget is assigned for each block. The pixels of a block are converted and coded bit-plane by bit-plane starting from the Most Significant Bit (MSB) and going towards the Least Significant Bit (LSB). The pixels of the block are partitioned into groups. Each group contains pixels that have same value. Moving from the MSB to the LSB the groups in each bit-plane are processed. When processing a group the encoder sends a 0 if all group members have same bit value at the current bit-plane being processed followed by the bit value; otherwise the encoder sends a 1 followed by refinement bits for each pixel of the group and the encoder splits the group.

No. of Pages : 41 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7301/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DESIGN TREES FOR ADAPTIVE CODING OF IMAGES AND VIDEOS USING SET PARTITIONING IN GENERALIZED HIERARCHICAL TREES HAVING DIRECTIONALITY

(51) International classification :H04N7/26  
(31) Priority Document No :61/185,570  
(32) Priority Date :09/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/037837  
Filing Date :08/06/2010  
(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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(72)Name of Inventor :

**1)LIU Wei**

**2)GHARAVI-ALKHANSARI Mohammad**

(57) Abstract :

Adaptive entropy encoding and decoding which utilizes Set Partitioning within Generalized Hierarchical Trees (SPRIGHT) and a method of designing trees utilizing directionality. After decorrelation and quantization a tree structure is selected from multiple candidates based on geometric relationships within the image block for coding the coefficients toward improving zero-clustering of coefficients. Trees for the SPRIGHT encoding are created in response to finding frequency position of each coefficient and scaling frequency position followed by use of octave-band partitioning of coefficient patterns into squares and L-shapes and the L-shapes are iteratively partitioned into squares. The tree comprises leaf nodes containing coefficients associated with each non-leaf node. The number of zero clustered coefficients can be increased thus decreasing the number of nodes coded into the encoded image output.

No. of Pages : 60 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7303/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR ENCODING CONTROL INFORMATION IN A COMMUNICATION SYSTEM&NBSP; AND METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING THE CONTROL INFORMATION

(51) International classification :H04L27/26  
(31) Priority Document No :10-2009-0021382  
(32) Priority Date :12/03/2009  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2010/001567  
Filing Date :12/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**3)Yeon-Ju LIM**  
**4)Sung-Ryul YUN**  
**5)Hong-Sil JEONG**

(57) Abstract :

A method and apparatus is provided for encoding and transmitting control information in a communication system in which a number of coded blocks for carrying the control information is determined based on a number of bits of the control information and a specific reference value. The number of information bits corresponding to the coded blocks is calculated based on the determined number of coded blocks the number of parity bits to be punctured in the coded blocks is calculated and a frame including at least one of the coded blocks is transmitted.

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

(54) Title of the invention : VIDEO IMAGE CONVERSION DEVICE&NBSP; VIDEO IMAGE OUTPUT DEVICE&NBSP; VIDEO IMAGE CONVERSION SYSTEM&NBSP; VIDEO IMAGE&NBSP; STORAGE MEDIUM&NBSP; VIDEO IMAGE-CONVERSION METHOD&NBSP; AND VIDEO IMAGE OUTPUT METHOD•

(51) International classification	:H04N13/04	(71)Name of Applicant :
(31) Priority Document No	:2009-060138	<b>1)YOSHIDA Kenji</b>
(32) Priority Date	:12/03/2009	Address of Applicant :9-14-2302 Koishikawa 1-chome
(33) Name of priority country	:Japan	Bunkyo-ku Tokyo 1120002 Japan
(86) International Application No	:PCT/JP2010/001807	(72)Name of Inventor :
Filing Date	:12/03/2010	<b>1)YOSHIDA Kenji</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In order to achieve conversion of a pixel arrangement of a video image for three-dimensional video image display on hardware, the video image conversion device of the present invention comprises: a receiving unit that receives a video image of a plurality of viewpoints as a video image signal from a video image output device; a storage unit that stores, frame by frame, the video image of the plurality of viewpoints received by the receiving unit into a storage element; a conversion control unit that controls an instruction for converting a pixel arrangement of the video image of the plurality of viewpoints stored in the storage element by the storage unit into a pixel arrangement for three-dimensional video image display based on a preset conversion control information; a conversion unit that immediately converts the pixel arrangement based on an instruction from the conversion control unit; and a transmitting unit that transmits a video image which pixel arrangement is converted by the conversion unit as a video image signal to a three-dimensional video image display device.. As a result, the video image conversion device is able to achieve conversion to a pixel arrangement for three-dimensional video image display of a video image of a plurality of viewpoints on hardware.

No. of Pages : 104 No. of Claims : 43



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7307/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : RADIO COMMUNICATION SYSTEM, RADIO COMMUNICATION METHOD, RADIO BASE STATION AND CONTROL STATION

(51) International classification :H04W24/02  
(31) Priority Document No :2009-061470  
(32) Priority Date :13/03/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/054099  
Filing Date :11/03/2010  
(87) International Publication No :WO 2010/104143  
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)FUTAKI, HISASHI**

(57) Abstract :

A radio communication system includes a plurality of radio base stations (eNB1, eNB2 and eNB3) and a control station (O&M (OMC)) connected to the radio base stations. One of the radio base stations notifies state control information including information regarding state control to the control station before or after execution of state control in the one radio base station. The control station notifies at least one of management information regarding the radio parameter updated in accordance with the state control and the state control information to the radio base stations connected to the control station, with the exclusion of the one radio base station that notified the state control information.

No. of Pages : 99 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7308/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : HIGH PERFORMANCE SEALABLE COEXTRUDED BIAXIALLY ORIENTED POLYPROPYLENE FILM

(51) International classification :B32B27/30  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/071236  
Filing Date :10/04/2009  
(87) International Publication No :WO 2010/115312 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)CHEN, YONG**  
**2)CHEN, HONGYU**  
**3)YUN, XIAO B.**  
**4)LI, JING**  
**5)HUGHES, MORGAN M.**  
**6)PATEL, RAJEN M.**

(57) Abstract :

A multilayer biaxially oriented polypropylene film is disclosed which comprises at least three layers. The first layer is an outer layer comprising a first polymer which is a homopolymer polypropylene resin having a melting point of at least 155°C. The second layer is a core layer, having a melting point greater than 1500C. The core layer includes a blend comprising a second polymer which is a polypropylene homopolymer having a melting point of at least 155°C and a third polymer having a melting point no greater than 145°C. The second polymer comprises from 20% to 80% by weight of the core layer while the third polymer comprises from 80% to 20% by weight of the core layer. The last required layer in the film is a sealant layer. The sealant layer comprises a fourth polymer having a melting point no greater than 145°C.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7310/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR RECOGNIZING WEBSITE

(51) International classification :H04L12/24  
(31) Priority Document No :200910129168.1  
(32) Priority Date :27/03/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071145  
Filing Date :19/03/2010  
(87) International Publication No :WO 2010/108421 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)LONG, YIMIN**

(57) Abstract :

Embodiments of the present invention provide a method and an apparatus for recognizing a website, belonging to communications field. The method includes: parsing page code of a website to be recognized to obtain a DOM tree corresponding to the page code of the website to be recognized; comparing the DOM tree with pre-stored DOM trees; recognizing the website to be recognized according to a compared result. The apparatus includes: a parsing module, a comparing module and a recognizing module. Through parsing the page code of the website to be recognized to obtain the DOM tree corresponding to the page code of the website to be recognized and comparing the DOM tree of the website to be recognized with the pre-stored DOM trees, it is possible to recognize the website to be recognized timely and effectively according to the compared result.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7317/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ANTI-INFLAMMATORY AND ANTIOXIDANT CONJUGATES USEFUL FOR TREATING METABOLIC DISORDERS•

(51) International classification :A61K31/166

(31) Priority Document No :61/160,642

(32) Priority Date :16/03/2009

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

(86) International Application No :PCT/EP2010/053418

Filing Date :16/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application  
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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**7)Julio CESAR CASTRO PALOMINO LARIA**

(57) Abstract :

The present invention is directed to methods for treating metabolic disorders with compounds that are conjugates. The conjugates of the present invention are comprised of salicylic acid triflusal diflusalinal salsalate IMD-0354 ibuprofen. diclofenac licofelone or HTB and one or more antioxidants.

No. of Pages : 207 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7321/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : BIOARTIFICIAL LIVER

(51) International classification :A61M 1/18

(31) Priority Document No :61/160,150

(32) Priority Date :13/03/2009

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

(86) International Application No :PCT/US2010/027203

Filing Date :12/03/2010

(87) International Publication No : NA

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)**Name of Inventor :**

**1)NYBERG Scott L**

**2)CORNER Stephen M.**

**3)AMIOT Bruce**

(57) Abstract :

This document provides bioartificial liver (BAL) devices. Methods for making and using BAL devices also are provided.

No. of Pages : 74 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7322/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : LENS ASSEMBLY APPARATUS AND METHOD

(51) International classification :G02B 3/14  
(31) Priority Document No :61/160,041  
(32) Priority Date :13/03/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/026749  
Filing Date :10/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)NIEDERER David**

**3)SCHMIDHAUSIER Thomas**

**4)ROMER Christoph**

**5)KERN Thomas**

**6)YANG Shu-Heng**

**7)KING Charles**

**8)KIRCHHOFFER Dennis Ray**

**9)WARREN Daniel**

(57) Abstract :

An optical apparatus includes a first membrane a second membrane and at least one electromagnetically displaceable component. The first membrane includes an optically active area. The first membrane and the second membrane are coupled by a filler material disposed in a reservoir. At least one electromagnetically displaceable component is coupled to the filler material via the second membrane such that a displacement of the at least one electromagnetically displaceable component is operative to cause a deformation of the optically active area of the first membrane by movement of the filler material.

No. of Pages : 237 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7323/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MODELLING APPARATUS AND METHOD

(51) International classification	:H04L 12/24
(31) Priority Document No	:0906591.3
(32) Priority Date	:16/04/2009
(33) Name of priority country	:U.K.
(86) International Application No	:PCT/GB2010/050628
Filing Date	:15/04/2010
(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

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U.K.

(72)Name of Inventor :

**1)GERARD TERENCE FOSTER**

(57) Abstract :

A method of processing a model of a telecommunications system including a plurality of access nodes through which communications terminals can communicate data. The model comprises computer program code representing data communications sessions generated by the communications terminals or generated by correspondent terminals and received by the communications terminals representing a processing performed by the access nodes as the data is transmitted to and received from the communications terminals via the access nodes during the communications sessions and representing a processing performed by a core network part as the data is communicated to and from the access nodes thereby modelling a loading on each of the access nodes and the core network caused by the represented communications sessions. Modelling of a telecommunications networks can thus be provided by dividing each of the component parts of the telecommunications network into groups and handling these groups on a cyclic basis.

No. of Pages : 46 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7324/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : MODELLING APPARATUS AND METHOD

(51) International classification :H04L 12/56  
(31) Priority Document No :0906592.1  
(32) Priority Date :16/04/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/050629  
Filing Date :15/04/2010  
(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

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(72)Name of Inventor :

**1)GERARD TERENCE FOSTER**

(57) Abstract :

A method for routing data between two network elements interconnected via a transmission path of a telecommunications network includes identifying a plurality of layers of a telecommunications model and developing a reachability table by identifying a connection between each transmission element in each layer to other transmission elements in layers of the transmission path. For each connection defining a set of communications parameters which define a cost of communicating data via the connection and allocating a weighting value for communicating data via the connection for all possible routes between the two network elements along the transmission path via each of the layers modelling the effect of the connection for routing the data in accordance with the set of communications parameters for the connection and determining a weighted result along each path and combining the weighted results to determine a metric of performance for each of the possible routes.

No. of Pages : 45 No. of Claims : 16



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7325/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND NETWORK DEVICE FOR CONTROLLING QOS

(51) International classification	:H04L 29/06
(31) Priority Document No	:200910106519.7
(32) Priority Date	:03/04/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/071467
Filing Date	:31/03/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)Name of Inventor :

**1)SI Yuan**

(57) Abstract :

A method for the Quality of Service (QoS) control is provided by the embodiments of the present invention. The method mainly includes identifying service types of users (S101) and controlling the QoS of the users according to the identified service types of the users (S102). A network device is also provided by the embodiments of the present invention. The method and the device provided by the present invention can dynamically adjust the QoS of the users thereby meeting the actual QoS requirements of the user services.

No. of Pages : 23 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7326/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ELECTRONIC EQUALIZATION AND ELECTRONIC DEPOLARIZATION METHOD&NBSP; RECEIVING END EQUIPMENT&NBSP; AND COMMUNICATION SYSTEM

(51) International classification :H04L 27/26  
(31) Priority Document No :200910132346.6  
(32) Priority Date :30/03/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/070129  
Filing Date :12/01/2010  
(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)CHEN Zihuan**  
**2)LIU Lei**  
**3)XIE Changsong**

(57) Abstract :

An electronic equalization and electronic depolarization method receiving end equipment and communication system are provided by the embodiments of the present invention. In the embodiments of the invention the parameters needed by the electronic equalization and electronic depolarization are calculated out by detecting a synchronization sequence in a received signal and then the electronic equalization and electronic depolarization are performed to the received signal in the frequency domain by using the parameters so that the problem of the electronic equalization and electronic depolarization in a Polarization Division Multiplexing OFDM system is solved. Furthermore the realization complexity of the electronic equalization and electronic depolarization performed in the frequency domain is greatly reduced compared to the electronic equalization and electronic depolarization performed in the time domain.

No. of Pages : 40 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7327/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR REALIZING DATA FORWARDING&NBSP; NETWORK SYSTEM&NBSP; AND DEVICE

(51) International classification :H04L 12/56  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/071062  
Filing Date :30/03/2009  
(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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**1)CHEN Weimin**  
**2)LIN Gaoquan**  
**3)FU Saixiang**

(57) Abstract :

The present invention discloses a method for multi-domain interconnection. The method includes the following steps: receiving a user request analyzing said user request to obtain a caller-to-callee media direction and a domain identifier of said callee and sending said caller-to-callee media direction and said domain identifier of said callee. The embodiments of the present invention also provide the corresponding system and device. By the media direction and domain identifier the embodiments of the present invention can indicate the endpoint to process the current message and thus enable the interconnection among multiple domains.

No. of Pages : 22 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7328/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :10/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS AND COMPUTER PROGRAM PRODUCT FOR DETERMINING QOS OF COMMUNICATIONS BASED ON CSG MEMBERSHIP

(51) International classification :H04W 28/18

(31) Priority Document No :61/169,989

(32) Priority Date :16/04/2009

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

(86) International Application No :PCT/US2010/031482

Filing Date :16/04/2010

(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 :

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(72)Name of Inventor :

**1)HORN Gavin Bernard**

**2)SONG Osok**

(57) Abstract :

The present disclosure provides systems methods and devices for selectively adjusting a quality of service QoS of communication between a wireless access point and a UE based on both a value indicative of system resources and closed subscriber group (CSG) subscription data such that a member has priority access to system resources over a non-member. The systems methods and devices described herein allow an access point operating in a hybrid mode to discriminate between CSG members and non-members without having to terminate communication links in order to provide CSG members with particular QoS levels. In some embodiments non- members can maintain or establish new communication links with lower QoS levels in order to utilize unused and available capacity thereby increasing the utilization of system resources available through femto nodes operating in a hybrid mode.

No. of Pages : 59 No. of Claims : 48

(12) PATENT APPLICATION PUBLICATION

(21) Application No.733/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : ACCESS POINT IDENTIFICATION BASED ON MULTIPLE PILOT SIGNATURE INDICATORS

(51) International classification :H04W 36/00

(31) Priority Document No :61/231,635

(32) Priority Date :05/08/2009

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

(86) International Application No :PCT/US2010/044609

Filing Date :05/08/2010

(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)PATEL Chirag Sureshbhai**

**3)YAVUZ Mehmet**

**4)RAUBER Peter Hans**

**5)PATWARDHAN Ravindra Manohar**

(57) Abstract :

An access point is identified based on a plurality of pilot signatures. Here in addition to transmitting a pilot signal that is encoded (e.g. spread/scrambled) using a particular pilot signature an access point transmits a message that includes at least one indication of at least one other pilot signature. For example an access point may use one PN offset to generate a pilot signal and transmit a message that identifies at least one other PN offset. An access terminal that receives the pilot signal and the message may then generate a pilot report that identifies all of these pilot signatures. Upon receiving a handover message including this pilot-related information a target network entity with knowledge of the pilot signatures assigned to that access point may then accurately identify the access point as a target for handover of the access terminal.

No. of Pages : 82 No. of Claims : 61

(12) PATENT APPLICATION PUBLICATION

(21) Application No.734/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR PROVIDING USER-CUSTOMIZED CONTENTS•

(51) International classification :G06Q 50/00  
(31) Priority Document No :10-2010-0136933  
(32) Priority Date :28/12/2010  
(33) Name of priority country :Republic of Korea  
(86) International Application No :PCT/KR2011/009972  
Filing Date :22/12/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :

**1)CHUNG HEE SUNG**

(57) Abstract :

A method for providing user-customized contents includes: receiving contents order information from a user and constructing a contents order information DB; opening the contents order information DB; receiving contents corresponding to the contents order information from a contents provider; and providing the received contents in a user-customized form.

No. of Pages : 110 No. of Claims : 82

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7347/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :11/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR MOBILE DEVICE DISPLAY POWER SAVINGS

(51) International classification :H04W88/02

(31) Priority Document No :61/169,088

(32) Priority Date :14/04/2009

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

(86) International Application No :PCT/US2010/031016

Filing Date :14/04/2010

(87) International Publication No :WO 2010/120868 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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**3)ATUL SURI**

**4)SIVARAMAKRISHNA VEEREPALLI**

(57) Abstract :

Systems and methods displaying information from a mobile device are described herein. One embodiment of the disclosure provides a method comprising detecting a wireless connection between a mobile device and an external display device. The method further comprises adjusting a display of the mobile device based on at least the detection of the wireless connection.

No. of Pages : 29 No. of Claims : 38

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7348/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :11/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : REMOTELY MANGING AN APPLICATION ON A DEVICE BY A MANAGEMENT SERVER

(51) International classification :H04L12/24  
(31) Priority Document No :09290306.1  
(32) Priority Date :27/04/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/055478  
Filing Date :23/04/2010  
(87) International Publication No :WO 2010/125007  
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)YVAN ROYON**

**2)CHRISTELE BOUCHAT**

(57) Abstract :

A method is described for remotely managing, by a management server in a telecommunication network, the life cycle of an end-user service application for execution on a service platform that is installed on a device in a private network. The method comprises the steps of: - transmitting a request for information regarding a finite state machine data model that describes a representation of the finite state machine for the service platform when being used by the service application while running on the device; and - transmitting data model information by the device to the management server; and - determining by the management server from the data model information the finite state machine data model; and - managing the service application by the management server on the device in accordance to the finite state machine data model.

No. of Pages : 21 No. of Claims : 11



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7349/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :11/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR TRIGGERING A WIRELESS CONNECTION

(51) International classification :H04W52/02

(31) Priority Document No :61/169,099

(32) Priority Date :14/04/2009

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

(86) International Application No :PCT/US2010/031050

Filing Date :14/04/2010

(87) International Publication No :WO 2010/120893 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)KRISHNAN RAJAMANI**

**2)ATUL SURI**

**3)SIVARAMAKRISHNA VEEREPALLI**

(57) Abstract :

Systems and methods displaying information from a mobile device are described herein. One embodiment of this disclosure provides method of triggering a wireless connection. The method comprises detecting a wired connection at a mobile device. The method further comprises adjusting a power to a wireless interface based on the detection of the wired connection.

No. of Pages : 28 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.735/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : MESSAGE-BASED EXCHANGE OF ACCESS POINT PILOT SIGNATURE INDICATORS

(51) International classification :H04W 36/00

(31) Priority Document No :61/231,635

(32) Priority Date :05/08/2009

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

(86) International Application No :PCT/US2010/044608

Filing Date :05/08/2010

(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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**1)TINNAKORNSRISUPHAP Peerapol**

**2)PATEL Chirag Sureshbhai**

**3)YAVUZ Mehmet**

**4)RAUBER Peter Hans**

**5)PATWARDHAN Ravindra Manohar**

(57) Abstract :

An access point is identified based on a plurality of pilot signatures. Here, in addition to transmitting a pilot signal that is encoded (e.g., spread/scrambled) using a particular pilot signature, an access point transmits a message that includes at least one indication of at least one other pilot signature. For example, an access point may use one PN offset to generate a pilot signal and transmit a message that identifies at least one other PN offset. An access terminal that receives the pilot signal and the message may then generate a pilot report that identifies all of these pilot signatures. Upon receiving a handover message including this pilot-related information, a target network entity with knowledge of the pilot signatures assigned to that access point may then accurately identify the access point as a target for handover of the access terminal.

No. of Pages : 78 No. of Claims : 55

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7350/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :11/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR CONTROLLING MOBILE DEVICES

(51) International classification :H04M1/725  
(31) Priority Document No :61/169,103  
(32) Priority Date :14/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/031028  
Filing Date :14/04/2010  
(87) International Publication No :WO 2010/120878 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)KRISHNAN RAJAMANI**

**2)ATUL SURI**

**3)SIVARAMAKRISHNA VEEREPALLI**

(57) Abstract :

Systems and methods displaying information from a mobile device are described herein. One embodiment of this disclosure provides a method of controlling a mobile device without a native touch screen display. The mobile device is coupled to an external touch-screen device. The method comprises receiving input via a touch screen display. The method further comprises mapping the input to one or more keypad events. The method further comprises transmitting to at least one application the one or more keypad events.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7351/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :11/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DEVICE MOBILITY FOR SPLIT-CELL RELAY NETWORKS

(51) International classification :H04W36/02  
(31) Priority Document No :61/168,737  
(32) Priority Date :13/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/030949  
Filing Date :13/04/2010  
(87) International Publication No :WO 2010/120828 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)FATIH ULUPINAR**  
**2)YONGSHENG SHI**  
**3)GAVIN BERNARD HORN**  
**4)PARAG ARUN AGASHE**  
**5)XIAOLONG HUANG**

(57) Abstract :

Systems and methodologies are described that facilitate supporting mobility for UEs and relay eNBs in split-cell relay configurations. Parameters regarding communicating with one or more UEs can be provided to disparate eNBs from a donor eNB to provide mobility for one or more of the UEs or a serving relay eNB. In addition, a donor eNB can request establishment of one or more radio bearers at a target relay eNB for continuing communications with one or more UEs. Moreover, a donor eNB can provide information regarding one or more core network bearers to a target donor eNB to facilitate establishing the core network bearers at the target donor eNB for communicating with the one or more UEs. Furthermore, uplink buffer contents from a relay eNB can be provided to a target donor eNB so communications from the one or more UEs can be continued by the target donor eNB.

No. of Pages : 92 No. of Claims : 94

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7359/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :11/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR PREPARATION OF AND COMPOSITIONS OF LOW FOAM&NBSP; NON-GELLING&NBSP; SURFACTANTS•

(51) International classification :C07C 41/03

(31) Priority Document No :61/171,508

(32) PriorityDate :22/04/2009

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

(86) International Application No :PCT/EP2010/055080

Filing Date :19/04/2010

(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

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(72)Name of Inventor :

**1)GIAO VINH NGUYEN**

(57) Abstract :

Low foam non-gelling surfactants include certain non-ionic alcohol ethoxylate surfactants and anionic ether sulfate surfactants formed therefrom and processes for preparing the same. Also included are agricultural formulations including agriculturally active ingredients in combination with certain anion ether sulfate surfactants.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.736/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD FOR TRANSMISSION AND DETECTION OF FRAME INCLUDING BURSTS OF PULSES

(51) International classification :H04L 25/00  
(31) Priority Document No :61/230,312  
(32) Priority Date :31/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/043896  
Filing Date :30/07/2010  
(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

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(72)**Name of Inventor :**  
**1)SHI Jun**  
**2)JULIAN David Jonathan**  
**3)EKBAL Amal**

(57) Abstract :

A method of transmitting and receiving data frames using pulses is disclosed. According to the transmitting method a first signal is transmitted including one or more bursts of pulses during a first portion of a transmission frame and not transmitting the first signal during a second portion of the transmission frame. The not transmitting the first signal may include maintaining one or more silence periods for the second portion of the transmission frame or transmitting a second signal distinct from the first signal. According to the receiving method a signal including one or more bursts of pulses is received during a first portion of a transmission frame an analysis of the one or more bursts of pulses is performed and the transmission frame is detected based on the analysis of the one or more bursts of pulses.

No. of Pages : 34 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7365/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :11/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : CATALYSTS AND METHOD FOR THE HYDROAMINATION OF OLEFINS•

(51) International classification	:B01J 29/70
(31) Priority Document No	:09158472.2
(32) Priority Date	:22/04/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/055078
Filing Date	:19/04/2010
(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)BASF SE**

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(72)**Name of Inventor :**

**1)HEIDEMANN Thomas**

**2)KEHRER Jens**

(57) Abstract :

The present invention relates to a hydroamination catalyst comprising boron beta zeolites wherein the hydroamination catalyst is doped with lithium and also a process for producing it. The present patent application further relates to a process for preparing amines by reaction of ammonia or primary or secondary amines with olefins at elevated temperatures and pressures in the presence of the hydroamination catalyst of the invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.737/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR PRODUCING POROUS METAL BODY POROUS ALUMINUM BODY BATTERY ELECTRODE MATERIAL INCLUDING POROUS METAL BODY OR POROUS ALUMINUM BODY&NBSP; AND ELECTRODE MATERIAL FOR ELECTRICAL DOUBLE LAYER CAPACITOR

(51) International classification :H01M 4/80  
(31) Priority Document No :2010-072348  
(32) Priority Date :26/03/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2011/056152  
Filing Date :16/03/2011  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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**7)OTA Hajime**

**8)SAKAI Shoichiro**

**9)GOTO Kengo**

**10)AWAZU Tomoyuki**

(57) Abstract :

A porous metal body containing continuous pores and having a low oxygen content is provided by decomposing a porous resin body that contains continuous pores and has a layer of a metal thereon by heating the porous resin body at a temperature equal to or less than the melting point of the metal while the porous resin body is immersed in a first molten salt and a negative potential is applied to the metal layer; and a method for producing the porous metal body is provided.

No. of Pages : 29 No. of Claims : 15



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7371/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :12/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : WELDABLE METAL ARTICLE

(51) International classification :C22C 21/02

(31) Priority Document No :09158018.3

(32) Priority Date :16/04/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/054900

Filing Date :14/04/2010

(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 :

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(72)Name of Inventor :

**1)NORMAN Andrew**

**2)SPANGEL Sabine**

(57) Abstract :

The invention relates to an extruded or rolled clad metal article having a core metal layer and a cladding metal layer on at least one surface of the core layer wherein said metals of said core metal layer and said cladding metal layer are each aluminium alloys preferably an aluminium-magnesium alloy having at least Sc in a range of 0.05 % to 1 % and wherein the Sc-content in the core metal layer is lower than in said cladding metal layer. The invention further relates to a welded structure incorporating such a metal article.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.738/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : INFRARED GAS DETECTOR AND INFRARED GAS MEASURING DEVICE

(51) International classification :G01N 21/35  
(31) Priority Document No :2009-151622  
(32) Priority Date :25/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/060570  
Filing Date :22/06/2010  
(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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**4)Takahiko HIRAI**  
**5)Hiroaki KITAMURA**

(57) Abstract :

An infrared gas detector includes an infrared reception member, a package configured to accommodate the infrared reception member, and an optical filter. The infrared reception member includes a plurality of thermal infrared detection elements each configured to detect infrared based on heat caused by received infrared. The thermal infrared detection elements are placed side by side. The package is provided with a window opening configured to allow the infrared reception member to receive infrared. The optical filter is attached to the package so as to cover the window opening, and includes a plurality of filter elements respectively corresponding to the plurality of the thermal infrared detection elements. Each of the filter elements includes a filter substrate made of an infrared transparent material, a transmission filter configured to transmit infrared of a selected wavelength, and a cut-off filter configured to absorb infrared of a wavelength longer than the selected wavelength. The transmission filter and the cut-off filter are formed over the filter substrate. The filter substrate is thermally coupled to the package. The transmission filters of the respective filter elements are configured to transmit infrared of the different selected wavelengths.

No. of Pages : 95 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7382/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :12/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PORTABLE TERMINAL

(51) International classification :H04M1/02  
(31) Priority Document No :2009-098526  
(32) Priority Date :15/04/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/001415  
Filing Date :02/03/2010  
(87) International Publication No :WO 2010/119602  
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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(57) Abstract :

An object of the present invention is to provide a mobile terminal in which a sound path can be secured around speaker sound holes when the mobile terminal is placed and which can thereby provide stable sound to a user. A mobile terminal according to the present invention is a mobile terminal in which an upper housing including a display unit is connected to a lower housing (1) including an operation unit in a freely-movable fashion and a speaker sound hole (7) is formed in a surface of the lower housing (1) opposite to the operation unit (rear surface), in which the rear surface is configured so as to be inclined with respect to a placing-surface (6) when the mobile terminal is placed on the placing-surface so that a space (9) that allows speaker sound to be released is formed between the rear surface and the placing-surface, and a protrusion (4) is formed near the speaker sound hole (7). As a result, a sound path is secured around the speaker sound hole (7), and therefore stable sound can be provided to a user.

No. of Pages : 17 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7385/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :12/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR SELECTING OBJECT TERMINAL IN A MULTI BS MIMO SYSTEM

(51) International classification :H04W72/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/000407  
Filing Date :16/04/2009  
(87) International Publication No :WO 2010/118557 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)WU, KEYING**  
**2)SONG, YANG**  
**3)ZHU, XIAOLONG**

(57) Abstract :

According to an embodiment of the present invention, on a radio resource block for Multi-BS MIMO, one of the coordinating base stations selects a mobile terminal at first, and informs the other base stations of the characterization information and the pre-coding information etc. of the selected mobile terminal, and the selection made by the other base stations will obey the selection result of the base station that selects at first. By applying the method and apparatus provided by the present invention, the joint selection of object terminals in the Multi-BS MIMO is realized, and such selection is distributed without any central scheduling device which is necessary in the central scheduling scheme. In addition, only very limited information exchange among the coordinating base stations is required to realize the present invention. According to an embodiment of the present invention, the object terminals selected by the coordinating base stations are matched well with each other such that the total performance of the system is improved; according to an embodiment of the present invention, the fairness among the base stations can be well satisfied.

No. of Pages : 59 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7386/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :12/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR PROVIDING AN EMOTION-BASED USER INTERFACE

(51) International classification :H04M 1/725

(31) Priority Document No :12/408,610

(32) Priority Date :20/03/2009

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

(86) International Application No :PCT/FI2010/050027

Filing Date :20/01/2010

(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)Paul Antony Knight**

(57) Abstract :  
Attached

No. of Pages : 38 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7388/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :12/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR THE MANUFACTURE AND CREATION OF ELECTROCHROMIC THIN FILM TRANSISTORS WITH LATERAL OR VERTICAL STRUCTURE USING FUNCTIONALIZED OR NON-FUNCTIONALIZED VITROCERAMIC&NBSP; POLYMERIC&NBSP; METALLIC&NBSP; OR NATURAL&NBSP; SYNTHETIC OR MIXED CELLULOSIC PAPER SUBSTRATES•

(51) International classification :H01L 45/00  
(31) Priority Document No :104482  
(32) Priority Date :01/04/2009  
(33) Name of priority country :Portugal  
(86) International Application No :PCT/IB209/054425  
Filing Date :08/10/2009  
(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)DE PAIVA MARTINS Rodrigo Ferrão  
2)CORREIA FORTUNATO Elvira Maria**

(57) Abstract :

The present invention consists in the creation and manufacture of electrochromic thin film transistors either self-sustaining or not with lateral or vertical structure deposited on any kind of functionalized substrate (1) referred to as electrochromic substrate or non-functionalized substrate and wherein the electrolyte material (3) and the presence or not of an ultra-thin membrane (7) act as dielectric element the electrochromic material (2) acts as active semiconductor of the channel region and wherein the gate (4) source (5) and drain (5) electrodes are based on metal materials such as Titanium Gold Aluminium or degenerate semiconductive oxides like Indium and Zinc oxide Gallium-doped Zinc oxide characterized in that the device operation control process is made by means of electronic and ionic current and the off-state to on-state switch or vice-versa is followed by a change of colour of the device.

No. of Pages : 44 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.739/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : CONTROLLED RELEASE FORMULATIONS•

(51) International classification	:A61K 9/20	(71)Name of Applicant :
(31) Priority Document No	:PA 2009 00782	<b>1)EGALET LTD.</b>
(32) Priority Date	:24/06/2009	Address of Applicant :Egmont House 8 Clifford Street
(33) Name of priority country	:Denmark	London W1S 2LQ United Kingdom
(86) International Application No	:PCT/DK2010/050159	(72)Name of Inventor :
Filing Date	:23/06/2010	<b>1)ANDERSEN Christine</b>
(87) International Publication No	: NA	<b>2)LINDHARDT Karsten</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Martin ~vergrd Jan</b>
Filing Date	:NA	<b>4)INOKA LYHNE-IVERSEN Louise</b>
(62) Divisional to Application Number	:NA	<b>5)REX OLSEN Martin</b>
Filing Date	:NA	<b>6)HAAHR Anne-Mette</b>
		<b>7)KRISTINE H`YRUP HEMMINGSEN Pernille</b>

(57) Abstract :

The present invention relates to the field of controlled release formulations and in particular to formulations useful for once daily administration. More particular the present invention relates to compositions which are formulated for continued administration to an individual in need thereof within the range of 20 to 28 hours interval between individual administrations.

No. of Pages : 139 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7398/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :02/06/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : APPARATUS AND METHOD FOR SEPARATING AND ISOLATING COMPONENTS OF A BIOLOGICAL FLUID

(51) International classification :B04B 1/04

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/US2008/013377

Filing Date :04/12/2008

(87) 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)KUMAR, VIJAY**

**3)CINQUINI, BRIAN K**

**4)KINGSLEY, PHILLIP D**

(57) Abstract :

A device for separating and isolating components of a biological fluid comprising a container for containing the fluid to be processed, a tube cap assembly for closing the container while providing filling and extraction communication therewith, a float assembly disposed within the container for tunneling and controlling biological fluid flow into an inverted domed shaped isolation chamber within the float and controlling the biological fluid flow out of the isolation chamber for effecting an encapsulation or a sealed isolation of at least one component or fraction of the biological fluid flow within the isolation chamber during a centrifugation process. The device further comprising a flexible tube for connecting an extraction passageway disposed within the float assembly and an extraction valve of the tube cap assembly for allowing extraction of at least the one component or fraction encapsulated or isolated within the chamber.

No. of Pages : 65 No. of Claims : 44



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7399/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : FISCHER-TROPSCH SYNTHESIS CATALYST&NBSP; PREPARATION AND APPLICATION THEREOF

(51) International classification :B01J 23/80  
(31) Priority Document No :200910133993.9  
(32) Priority Date :22/04/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/071629  
Filing Date :08/04/2010  
(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

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(72)**Name of Inventor :**  
**1)YANG Yong**  
**2)WU Baoshan**  
**3)LI Yongwang**  
**4)XIANG Hongwei**

(57) Abstract :

A micro-spherical Fe-based catalyst for a slurry bed Fischer-Tropsch synthesis (FTS) comprises Fe as its active component a transitional metal promoter M a structure promoter S and a K promoter. The transitional metal promoter M is one or more selected from the group consisting of Mn Cr and Zn and the structure promoter S is SiO<sub>2</sub> and/or Al<sub>2</sub>O<sub>3</sub>. The weight ratio of the catalyst components is Fe: transitional metal promoter: structure promoter: K = 100:1-50:1-50:0.5-10. Preparation method of the catalyst comprises: adding the structure promoter S into a mixed solution of Fe/M nitrates then co-precipitating with ammonia water to produce a slurry filtering and washing the slurry to produce a filter cake adding the required amount of the K promoter and water to the filter cake pulping and spray drying and roasting to produce the micro-spherical Fe-based catalyst for the slurry bed Fischer-Tropsch synthesis. The catalyst has good abrasion resistance and narrow particle size distribution, furthermore, it has high conversion capability of synthesis gas, good product selectivity and high space time yield, and the catalyst also can be used for the slurry bed Fischer-Tropsch synthesis in a wide temperature range.

No. of Pages : 24 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.740/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : CABLE AND POLYMER COMPOSITION•

(51) International classification	:H01B 3/44
(31) Priority Document No	:09010916.6
(32) Priority Date	:26/08/2009
(33) Name of priority counry	:EPO
(86) International Application No	:PCT/EP2010/059608
Filing Date	:06/07/2010
(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

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**2)PETERSSON Jennie**

**3)M...RTENSSON Hans**

**4)PIEL Christian**

(57) Abstract :

The invention relates to a cable comprising a conductor surrounded by at a least one polymer layer comprising a polymer composition of the invention which comprises a polymer component and optionally a carbon black (CB) component to a production process of the cable and to a polymer composition of the invention which comprises a polymer component and optionally a carbon black (CB) component and which is for use in a cable layer.

No. of Pages : 43 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1046/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :01/02/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : HEADER COMPRESSION FOR RELAY NODES

(51) International classification :H04W28/06  
(31) Priority Document No :61/234,580  
(32) Priority Date :17/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/045774  
Filing Date :17/08/2010  
(87) International Publication No :WO 2011/022410 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)ULUPINAR FATIH**

**3)AGASHE PARAG ARUN**

**4)PRAKASH RAJAT**

**5)SONG OSOK**

(57) Abstract :

Systems and methodologies are described that facilitate compressing headers for relay nodes. In particular, a plurality of internet protocol (IP) headers, tunneling protocol headers, and/or other routing headers in a packet can be compressed to facilitate efficient communications of packets between relay nodes and/or a donor access point. An access point receiving packets to be compressed can provide a disparate access point with a compression context and an uncompressed packet. The disparate access point can generate a decompression context related to subsequent packets having similar header values and can store the decompression context with the context identifier. The access point can subsequently compress received packets having similar header values and communicate the compressed packets with the context identifier to the disparate access point. The disparate access point can apply the previously generated decompression context associated with the context identifier to decompress the packets.

No. of Pages : 68 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1088/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM AND METHOD OF COMPRESSING VIDEO CONTENT

(51) International classification :H04N7/26  
(31) Priority Document No :12/511,349  
(32) Priority Date :29/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/043681  
Filing Date :29/07/2010  
(87) International Publication No :WO 2011/014633 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)JUDIT MARTINEZ BAUZA**

**2)SRENIVAS VARADARAJAN**

(57) Abstract :

A method of interpolating a pixel value is disclosed and may include locating a missing pixel. Further, the method may include determining a plurality of closest pixels, determining a value for each of the plurality of closest pixels, and determining a distance between the missing pixel and each of the plurality of closest pixels. The method may also include classifying each of the plurality of closest pixels as either an edge-pixel or a non-edge pixel and determining a value of the missing pixel at least partially based on the value of each of the plurality of closest pixels, the distance between the missing pixel and each of the plurality of closest pixels, and a classification of each of the plurality of closest pixels.

No. of Pages : 82 No. of Claims : 160

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7403/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD&NBSP; MCE AND BASE STATION FOR DYNAMICALLY DISPATCHING RADIO RESOURCES FOR MBSFN TRANSMISSION

(51) International classification :H04W 72/08  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/000451  
Filing Date :28/04/2009  
(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)WANG He**

(57) Abstract :

A method for dynamically dispatching radio resources used for Multicast Broadcast Single Frequency Network (MBSFN) transmissions for Multimedia Broadcast Multicast Service (MBMS) is provided comprising: for a current dispatching period determining by a Multi-Cell/Multicast Coordination Entity (MCE) semi-static MBMS dispatching information for each MBMS service or each MBMS service group according to the Quality of Service (QoS) requirements of each MBMS service or each MBMS service group used for MBSFN transmission wherein said MBMS service group is a service group formed by statistically multiplexing a plurality of MBMS services that have the same Block Error Rate as their QoS requirements; informing by said MCE each base station and respective mobile stations under the control of each base station in an MBSFN area of the determined semi-static MBMS dispatching information; and dispatching by each base station the radio resources dynamically, according to the semi-static MBMS dispatching information received from the MCE and actual data volume to be processed by each MBMS service or each MBMS service group.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7409/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ACCESS MODE-BASED ACCESS CONTROL

(51) International classification :H04W36/08  
(31) Priority Document No :61/175,306  
(32) Priority Date :04/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/033627  
Filing Date :04/05/2010  
(87) International Publication No :WO 2010/129612 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)HORN GAVIN BERNARD**  
**2)AGASHE PARAG ARUN**  
**3)GUPTA RAJARSHI**  
**4)PRAKASH RAJAT**

(57) Abstract :

Access control for an access point (e.g., a cell of the access point) may be based on an access mode associated with the access point. For example, depending on the access mode, access control may involve performing a membership check for the access point. Such a membership check may be performed at a network entity, a source access point, or some other suitable location in a network. In some aspects, access control may involve performing a membership check for an access point in conjunction with a context fetch procedure. Such a procedure may be performed, for example, when an access terminal arrives at the access point after experiencing RLF at another access point.

No. of Pages : 63 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(21) Application No.741/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/01/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : GRADIENT COLOR FILTERS FOR SUB-DIFFRACTION LIMIT SENSORS

(51) International classification :H01L 27/146

(31) Priority Document No :12/456,881

(32) Priority Date :23/06/2009

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

(86) International Application No :PCT/FI2010/050326

Filing Date :21/04/2010

(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 :

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**2)Ossi Kalevo**

**3)Tero Rissa**

**4)Juha Alakarhu**

(57) Abstract :

An apparatus includes an array of sub-diffraction limit-sized light receptors formed in a substrate having a light receiving surface. Each receptor is configured to output an n-bit element and to change state based on the absorption of at least one photon(n is an integer > 0). The apparatus includes an optical filter structure disposed over the light receiving surface, the structure having an array of filter pixels,each having an associated passband spectral characteristic. A data element obtained from the array of receptors is generated from a combination of a plurality of the n-bit elements output from a plurality of light receptors that underlie filter pixels having at least two different passband spectral characteristics. The filter pixels having at least two different passband spectral characteristics form a gradient filter wherein bandpass regions increase when moving from a central region of the gradient filter towards an edge region.

No. of Pages : 40 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7410/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEMS, METHODS, AND DEVICES TO ENABLE SELECTION OF RADIO ACCESS TECHNOLOGY

(51) International classification :H04W48/18  
(31) Priority Document No :61/170,997  
(32) Priority Date :20/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/031784  
Filing Date :20/04/2010  
(87) International Publication No :WO 2010/123924 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)SONG OSOK**

**2)KITAZOE MASATO**

(57) Abstract :

In some embodiments, an access terminal is configured to select a first set of system resources, and communicate a message to acquire access to the first set of system resources, wherein the message conceals that the access terminal is capable of communication with a second set of system resources. In one embodiment, the first set of system resources includes circuit-switched system resources, the second set of system resources includes packet-switched system resources, and an access terminal conceals from the network that it is operable using the packet-switched system resources in order to acquire and/or maintain connected mode access to the circuit-switched system resources. Such embodiments allow an access terminal to use circuit-switched system resources even if the network does not support CS fallback or has refused a CS fallback request.

No. of Pages : 55 No. of Claims : 44



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7412/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : RADIO DEVICE HAVING DYNAMIC INTERMEDIATE FREQUENCY SCALING

(51) International classification :H04B1/10  
(31) Priority Document No :12/435,980  
(32) Priority Date :05/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/033592  
Filing Date :04/05/2010  
(87) International Publication No :WO 2010/129584 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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(57) Abstract :

Methods and apparatuses are provided for dynamic frequency scaling of an intermediate frequency (IF) signal within a radio device.

No. of Pages : 63 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7413/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ESTABLISHING PACKET DATA NETWORK CONNECTIVITY FOR LOCAL INTERNET PROTOCOL ACCESS TRAFFIC

(51) International classification :H04W8/08  
(31) Priority Document No :61/172,198  
(32) Priority Date :23/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/028350  
Filing Date :23/03/2010  
(87) International Publication No :WO 2010/123643 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)GIARETTA GERARDO**

**3)AGASHE PARAG ARUN**

**4)ULUPINAR FATIH**

(57) Abstract :

Providing for establishment of local Internet Protocol access (LIPA) for cellular communication is provided herein. According to particular aspects of the subject disclosure, provided are mechanisms to identify a request to establish a packet network connection as a request for a LIPA context. Once identified, a local gateway associated with the UE or with a subscriber-deployed base station is identified, and a packet context is established to support LIPA traffic for the UE. Additional mechanisms support UE mobility from one base station to another, including identifying and terminating inactive LIPA contexts. Further, a UE is described that can recognize and facilitate the establishment of a LIPA context for applications executing at the UE.

No. of Pages : 61 No. of Claims : 50

(54) Title of the invention : MEDICAMENT DELIVERY DEVICE

(51) International classification	:A61M 5/20
(31) Priority Document No	:0950273-3
(32) Priority Date	:24/04/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050422
Filing Date	:19/04/2010
(87) International Publication No	:WO 2010/123439
	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 :

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(57) Abstract :

The present invention relates to a medicament delivery device comprising a generally elongated housing comprising a proximal part (10) and a distal part (12); a medicament cartridge (18) comprising a proximal opening closed by a septum (30), an axially movable distal stopper (26), and a first enclosure (20) wherein a liquid and a gaseous fluid are enclosed; a medicament delivery member (36) attachable to said proximal part (10) and having a non-delivery end (34); a medicament cartridge holder (16) wherein the medicament cartridge is coaxially arranged, said cartridge holder being arranged coaxially movable inside said proximal pan and comprising holding means (38, 40) capable of holding said medicament cartridge holder (16) in a non-activated position in which said cartridge holder is releaseably engaged to said proximal part and in which a predetermined distance is present between the septum and the non delivery end; a manual pressure mechanism arranged to be moved from a non- pressure position to a pressure position wherein a pressure is build-up inside said cartridge; and an activation mechanism arranged to inter-let with said holding means only when said manual pressure mechanism is in the pressure position for disengaging said cartridge holder from said non-activated position to an activated position in which said cartridge holder is axially displaced said predetermined distance whereby said septum is penetrated by the non-delivery end and the liquid is expelled due to the pressure built in-side the enclosure.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.742/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/01/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND SYSTEM FOR GENERATING A VISUAL KEY

(51) International classification :G09C 5/00  
(31) Priority Document No :2009902922  
(32) Priority Date :24/06/2009  
(33) Name of priority country :Australia  
(86) International Application No :PCT/AU2010/000791  
Filing Date :23/06/2010  
(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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(72)**Name of Inventor :**  
**1)Matthew WALKER**

(57) Abstract :

A method and system for generating a visual key enables improved security and user-friendliness in defining a humanly readable visual code of characters. The method includes generating a random or pseudo random first arrangement of a plurality of symbols (step 905). An analysis is then conducted of the first arrangement to determine that no character of a predetermined character set is defined by the first arrangement (step 910). Next an analysis is conducted of the first arrangement to determine that characters of the predetermined character set can be generated when the first arrangement is aligned with a second arrangement of a plurality of the symbols (915). A determination is then made based on the above analyses that the first arrangement is acceptable as a visual key (step 925).

No. of Pages : 32 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7423/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : RETROREFLECTIVE ARTICLES INCLUDING PRINTED AREAS

(51) International classification :B32B3/00  
(31) Priority Document No :61/169,532  
(32) Priority Date :15/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/031278  
Filing Date :15/04/2010  
(87) International Publication No :WO 2010/121056 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)COGGIO, WILLIAM D.**  
**3)STEINER, MICHAEL L.**  
**4)FREE, MICHAEL BENTON**  
**5)SMITH, KENNETH L.**

(57) Abstract :

This disclosure generally relates to retroreflective articles that include a low-index material and a printed region. This disclosure also generally relates to methods of making retroreflective articles.

No. of Pages : 37 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7424/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND DEVICE FOR CONTROLLING PROPAGATION DELAY IN A COMP TRANSMISSION SYSTEM

(51) International classification	:H04W56/00	(71)Name of Applicant :
(31) Priority Document No	:200910047747.1	1)ALCATEL LUCENT
(32) Priority Date	:18/03/2009	Address of Applicant :3, AVENUE OCTAVE GREARD, F-
(33) Name of priority country	:China	75007 PARIS France
(86) International Application No	:PCT/CN2010/071089	(72)Name of Inventor :
Filing Date	:17/03/2010	1)ZHANG, XIAOBO
(87) International Publication No	:WO 2010/105556 A1	2)YOU, MINGLI
(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 proposed a method and a device for controlling propagation delay in a base station of a wireless communication system based on COMP transmission. To be specific, when sending downlink data to a mobile station, the base station processes part of data of one or more other unsynchronized base stations and sends the processed part of data to the mobile station at one or more specific time slots simultaneously. By applying the solution of the present invention, because data, corresponding to the length of the out-of-synchronization information, of an unsynchronized base station is sent to the mobile station at a specific time slot by a synchronized base station or other unsynchronized base stations, DL data that is sent to the mobile station by the unsynchronized base station all falls within the detection window of the mobile station, such that the resulted problem of the decreased performance of a receiver due to the propagation delay is solved.

No. of Pages : 42 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7429/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : LIFT HAND TRUCK•

(51) International classification :B66F 9/06  
(31) Priority Document No :2002749  
(32) Priority Date :15/04/2009  
(33) Name of priority country :Netherlands  
(86) International Application No :PCT/NL2010/050196  
Filing Date :15/04/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
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**1)VAN DER HELM Hermanus Cornelis**

(57) Abstract :

Hand truck with a frame provided with a substantially vertical guide, two wheels which are situated near the bottom side of the guide and which are rotatable about a transverse shaft, a handle which is situated near the upper side of the guide, a lifting device comprising a lifting element which is displaceable along the guide and a lifting drive which is connected to the lifting element for displacing the lifting element, a motor for driving the wheels and a brake cooperating with the wheels for blocking the rotation of the wheels, in which a control device is provided which can be operated via the handle for switching the lifting drive and the motor on and off, characterized in that, in a lower driving position of the lifting element, the brake is released and, when the lifting element is moved from the lower driving position to a lifting position, the brake is engaged, in which case the wheels can be driven via the motor at a positioning speed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.743/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : URGENT ACCESS MEDICATION DISPENSING STATION

(51) International classification :G06F 19/00

(31) Priority Document No :12/511,897

(32) Priority Date :29/07/2009

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

(86) International Application No :PCT/US2010/043419

Filing Date :27/07/2010

(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)CAREFUSION 303 INC.**

Address of Applicant :3750 Torrey View Court San Diego  
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(72)**Name of Inventor :**

**1)GRAHAM ROSS**

(57) Abstract :

A medical supply station is disclosed. The medical supply station includes a securable compartment configured to hold medical supplies and a controller. The controller is responsive to access information and is configured to selectively permit access to the securable compartment when the access information indicates the securable compartment is authorized for access and restrict access to the securable compartment when the access information indicates the securable compartment is not authorized for access. The medical supply station also includes a critical access module configured to upon actuation bypass the access information required by the controller and permit substantially immediate access to the securable compartment. The medical supply station further includes an image capturing device coupled to the critical access module configured to capture at least one image of an area proximal to the medical supply station in response to actuation of the critical access module.

No. of Pages : 23 No. of Claims : 24



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7402/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND APPARATUS FOR TRANSMITTING MBMS SERVICES

(51) International classification :H04W 4/06

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2009/000474

Filing Date :29/04/2009

(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)ALCATEL LUCENT**

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Paris France

(72)**Name of Inventor :**

**1)CHEN Yu**

**2)WANG He**

(57) Abstract :

A transmission method for Multicast Broadcast Single Frequency Network (MBSFN) which can realize the multiplexing of Multimedia Broadcast/Multicast Service (MBMS) services with different Modulation and Coding Scheme (MCS)/Service Data Unit (SDU) error rates. The method comprises the steps of: dividing a plurality of services to be transmitted into multiple service groups according to error rates each service group including at least one service; transmitting the plurality of services according to the service groups wherein the respective services in each service group are transmitted in turn according to a predetermined sequence. By applying the method and the apparatus MBMS services having different MCS/SDU error rates can be multiplexed and transmitted to UEs in the MBSFN.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.744/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : BRAKE CALIPER OF A DISK BRAKE

(51) International classification :F16D 65/14  
(31) Priority Document No :10 2009 027 363.8  
(32) Priority Date :30/06/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/059280  
Filing Date :30/06/2010  
(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)Continental Teves AG & Co. oHG**  
Address of Applicant :Guerickestrasse 7 60488 Frankfurt  
Germany  
(72)**Name of Inventor :**  
**1)SALZMANN Sebastian**  
**2)MEHNER Gtz**  
**3)PETRI Ralph**  
**4)KALFF Christoph**

(57) Abstract :

Brake caliper of a disk brake comprising a housing having a bore hole in which an axially displaceable piston is arranged and a shaft for actuation which is supported so that it is rotatable and axially displaceable in the housing and an adjusting device having a spindle to compensate for brake lining wear an axial bearing being provided between the spindle and the shaft. For an improved wear resistance it is proposed according to the invention that the axial bearing be integrally formed from a homogeneous material matrix.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7444/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR ESTABLISHING CONNECTIONS BETWEEN DEVICES COMMUNICATING OVER A NETWORK

(51) International classification :H04L 29/06  
(31) Priority Document No :12/426,103  
(32) Priority Date :17/04/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029062  
Filing Date :29/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)SLING MEDIA INC.**  
Address of Applicant :1051 East Hillsdale Blvd. Suite 500  
Foster City CA 94404 USA  
(72)**Name of Inventor :**  
**1)LUCAS Brian**  
**2)ASNIS Ilya**

(57) Abstract :

Systems and methods are described for establishing a connection between a client and a server that are each communicating via a network. The methods and techniques may be used for example to establish a media streaming connection between a media player and a placeshifting device when a firewall or other impediment to direct network connections exists. A relay server receives connection requests from the client and from the server via the network. In response to receiving the requests a first connection is established between the relay server and the client and a second connection between the relay server and the server. Data received by the relay server on each of the first and second connections is relayed to the other of the first and second connections to thereby establish the connection between the client and the server via the relay server.

No. of Pages : 25 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7445/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TRACK WITH ROTATING BUSHINGS FOR TRACK-TYPE VEHICLES WITH IMPROVED SLIDING BEARINGS

(51) International classification	:B62D 55/21	(71)Name of Applicant :
(31) Priority Document No	:MI2009A000464	<b>1)BERCO S.P.A</b>
(32) Priority Date	:24/03/2009	Address of Applicant :Via I° Maggio 237 I-44034 Copparo
(33) Name of priority country	:Italy	FE Italy
(86) International Application No	:PCT/IB2010/000148	(72)Name of Inventor :
Filing Date	:27/01/2010	<b>1)GRENZI Francesco</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 track (10) for track-type vehicles is described comprising a continuous sequence of articulated joints (12 12<sup>TM</sup>) of the hinge type oriented according to a first axis (A-A) substantially perpendicular to the central longitudinal development axis (B-B) of the track (10). The articulated joints (12 12<sup>TM</sup>) provided with pins (36 36<sup>TM</sup>) are connected to each other and maintained at a constant distance through pairs of links (14) having longitudinal development arranged laterally and symmetrically with respect to the longitudinal central axis (B-B). Around each pin (36 36<sup>TM</sup>) a bushing (40) is mounted free to rotate with respect to the pin (36 36<sup>TM</sup>) itself and at least one sliding bearing (44) is press-fitted between each pin (36 36<sup>TM</sup>) and the links (14).

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7069/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : CLOSED MALE LUER DEVICE FOR USE WITH NEEDLELESS ACCESS DEVICES

(51) International classification :A61M5/168

(31) Priority Document No :12/418,809

(32) Priority Date :06/04/2009

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

(86) International Application No :PCT/US2010/023337

Filing Date :05/02/2010

(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)MANSOUR GEORGE M.**

**2)FRIED MATTHEW PAUL**

(57) Abstract :

A medical connector is described which is formed by a body having an inlet port an outlet port through a male luer portion of the body and a fluid path between the inlet port and the at least one outlet ports. A retractable post extends through the fluid path in the male luer sealing a tip of the male luer thereby closing the fluid path when the connector is not activated. Barbs extending along the exterior of the male luer and connected to the retractable post wherein when the connector is activated the barbs force the retractable post away from the tip of the male luer thereby opening the fluid path through the medical connector. A retention member applies force to the post to force the post to seal the tip of the male luer with the medical connector is not activated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7070/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR SECURING THE OPERATION OF AN ELECTRIC BATTERY

(51) International classification :H02J7/00  
(31) Priority Document No :0901621  
(32) Priority Date :02/04/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/000257  
Filing Date :25/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**

**1)DOW KOKAM FRANCE SAS**

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(72)**Name of Inventor :**

**1)FABIEN GABEN**

(57) Abstract :

The invention relates to a method for securing the operation of an electric battery comprising a plurality of electrical energy-generating elements (E) which are mounted within an electricity production circuit (1) said method providing for monitoring the occurrence of a malfunction of each of said elements and in case a malfunction of an element (E) is detected to actuate a shunting of said defective element so the electrical current no longer crosses through said defective element while maintaining the production circuit (1) closed. The invention also relates to a battery in which such a method can be implemented.

No. of Pages : 18 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7071/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SYSTEM FOR LOGISTICAL MONITORING AND CONTROL OF THE FLOW OF GOODS, THE STORAGE THEREOF, STORAGE AND TRANSPORT CONDITIONS, AND CONSUMPTION

(51) International classification :G06Q10/00  
(31) Priority Document No :10 2009 016 539.8  
(32) Priority Date :31/03/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/DE2010/000397  
Filing Date :31/03/2010  
(87) International Publication No :WO 2010/112020 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)HW VERWALTUNGS GMBH**  
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ULM Germany  
(72)**Name of Inventor :**  
**1)HUBERT ERIC WALTER**

(57) Abstract :

The invention relates to a system for the logistical monitoring and control of the flow of goods, their storage, storage and transportation: conditions and consumption. At least one electronic data processing and memory unit having a network link which is connected to a central enterprise, monitoring, planning and control system for transmitting and receiving data and information is present. Further components of the system are a descriptor element for transmitting data from and to a mobile electronic memory element, individual electronic identification elements and intermediate storage positions provided with mobile electronic memory elements and/or containers with reading and/or writing units for RFID and/or barcodes.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7073/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : DISPERSANTS FOR AGRICULTURAL APPLICATIONS•

(51) International classification :A01N 25/04

(31) Priority Document No :61/171,603

(32) Priority Date :22/04/2009

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

(86) International Application No :PCT/EP2010/055081

Filing Date :19/04/2010

(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)AKZO NOBEL CHEMICALS INTERNATIONAL B.V.**

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Amersfoort The Netherlands

(72)Name of Inventor :

**1)RODRIGUES Klin A.**

**2)ALEXANDER Mark**

(57) Abstract :

The invention relates to an agrochemical formulation and its method of manufacture comprising an agrochemical active and a dispersant polymer comprising a copolymer of benzylmethacrylate acrylic acid and 2-acrylamido-2-methyl propane sulfonic acid.

No. of Pages : 35 No. of Claims : 13



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7074/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : BIOLOGICAL TISSUE CONNECTION AND REPAIR DEVICES AND METHODS OF USING SAME•

(51) International classification :A61B 17/11  
(31) Priority Document No :61/159,012  
(32) Priority Date :10/03/2009  
(33) Name of priority country :.S.A.  
(86) International Application No :PCT/US2010/026872  
Filing Date :10/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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MD 21218 U.S.A.  
(72)**Name of Inventor :**  
**1)HOKE Ahmet**  
**2)MAO Hai-quan**

(57) Abstract :

The instant invention provides compositions and methods for promoting the repair and/or growth of biological tissue e.g. tubular biological tissue such as nerves. Specifically the instant invention provides tissue connection devices and tissue repair devices and methods for using these devices.

No. of Pages : 32 No. of Claims : 84

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7075/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR FORMING AN ALUMINOSILICATE-ZEOLITE LAYER ON A METAL SUBSTRATE&NBSP; THE COATED SUBSTRATE AND THE USE THEREOF

(51) International classification :C23C 18/12  
(31) Priority Document No :10 2009 011 530.7  
(32) Priority Date :03/03/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/001255  
Filing Date :01/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
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(72)**Name of Inventor :**  
**1)HERRMANN Ralph**  
**2)SCHWIEGER Wilhelm**  
**3)BAUER J½rgen**

(57) Abstract :

The present disclosure relates to a method for forming an aluminosilicate-zeolite layer on a metal substrate the coated substrate and the use thereof. Moreover the disclosure relates to the product obtained by this method in the form of an aluminium-containing substrate on which an aluminosilicate-zeolite layer is formed which is rich in aluminium and advantageous applications of this aluminium-containing substrate.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2008/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : SUBLINGUAL AND BUCCAL FILM COMPOSITIONS

(51) International classification :A61K9/00  
(31) Priority Document No :12/537,571  
(32) Priority Date :07/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/044488  
Filing Date :05/08/2010  
(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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**1)MYERS Garry L.**  
**2)HILBERT Samuel D**  
**3)BOONE Bill J.**  
**4)BOGUE B. Arlie**  
**5)SANGHVI Pradeep**  
**6)HARIHARAN Madhusudan**

(57) Abstract :

The present invention relates to products and methods for treatment of narcotic dependence in a user. The invention more particularly relates to self-supporting dosage forms which provide an active agent for treating narcotic dependence while providing sufficient buccal adhesion of the dosage form.

No. of Pages : 38 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2009/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : LOW TEMPERATURE CARBURIZATION UNDER SOFT VACUUM

(51) International classification :C23C8/00

(31) Priority Document No :61/232,148

(32) Priority Date :07/08/2009

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

(86) International Application No :PCT/US2010/044510

Filing Date :05/08/2010

(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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44139 USA

(72)Name of Inventor :

**1)WILLIAMS Peter C.**

**2)COLLINS Sunniva R.**

**3)MARX Steven V.**

(57) Abstract :

Low temperature carburization of stainless steel using acetylene as the carburizing specie is carried out under soft vacuum conditions in the presence of hydrogen or other companion gas. As a result formation of soot and the undesirable thermal oxide film that normally occurs during low temperature carburization is eliminated virtually completely.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.417/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :11/01/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : HIGH VOLTAGE LOGIC CIRCUITS

(51) International classification :H03K19/0175  
(31) Priority Document No :61/227,732  
(32) Priority Date :22/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/042967  
Filing Date :22/07/2010  
(87) International Publication No :WO 2011/011638 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)QUALCOMM INCORPORATED**

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ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN  
DIEGO, CALIFORNIA 92121 U.S.A.

(72)Name of Inventor :

**1)MARCO CASSIA**

(57) Abstract :

High voltage logic circuits that can handle digital input and output signals having a larger voltage range are described. In an exemplary design, a high voltage logic circuit includes an input stage, a second stage, and an output stage. The input stage receives at least one input signal and provides (i) at least one first intermediate signal having a first voltage range and (ii) at least one second intermediate signal having a second voltage range. The second stage receives and processes the first and second intermediate signals based on a logic function and provides (i) a first drive signal having the first voltage range and (ii) a second drive signal having the second voltage range. The output stage receives the first and second drive signals and provides an output signal having a third voltage range, which may be larger than each of the first and second voltage ranges.

No. of Pages : 31 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.854/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : MONITORING BATTERY HEALTH IN AN HVAC SYSTEM

(51) International classification :G05D23/19  
(31) Priority Document No :61/230,377  
(32) Priority Date :31/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/043884  
Filing Date :30/07/2010  
(87) International Publication No :WO 2011/014758 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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MINNEAPOLIS, MN 55420-3693 U.S.A.  
(72)**Name of Inventor :**  
**1)SHAW, JOHN, J.**  
**2)BRABEC, LADD, J.**  
**3)ABBOT, PHILIPS, M.**  
**4)MUSICH, MATTHEW, A.**

(57) Abstract :

Systems and methods of monitoring battery health in an HVAC system. The charge state of a rechargeable battery and the number of amp-hours provided to or from the rechargeable battery are monitored. The number of amp-hours provided is recorded and an end-of-life condition is detected based on the number of amp-hours provided during the charge or discharge cycle. In some constructions, the end-of-life condition is detected by comparing the number of amp-hours provided during the charge or discharge cycle to a threshold. In some constructions, the end-of-life condition is detected by calculating a rate of change of the number of amp-hours provided during a charge or discharge cycle and comparing the rate of change to a threshold.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : VULCANIZED RUBBER AND PROCESS FOR MANUFACTURING SAME

(51) International classification :C08L21/00  
(31) Priority Document No :2009-154750  
(32) Priority Date :30/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/061085  
Filing Date :23/06/2010  
(87) International Publication No :WO 2011/001990  
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**  
Address of Applicant :27-1, SHINKAWA 2-CHOME,  
CHUO-KU, TOKYO 104-8260 Japan  
(72)**Name of Inventor :**  
**1)OZTURK, ORHAN**  
**2)UEKITA, YASUO**  
**3)TAKEUCHI, KENICHI**

(57) Abstract :

A process for manufacturing a vulcanized rubber comprising the first step of kneading S-(3-aminopropyl) thiosulfuric acid and/or a metal salt thereof, a rubber component, a filler and a sulfur component to obtain a kneaded product, and the second step of subjecting the kneaded product obtained in the first step to a heat treatment.

No. of Pages : 61 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.860/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/01/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHODS AND COMPOSITIONS FOR AFFECTING THE DIFFERENTIATION OF CLOSTRIDIA IN CULTURE

(51) International classification	:C12N1/20	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/221,996	<b>1)MATTSSON, DONALD</b>
(32) Priority Date	:30/06/2009	Address of Applicant :2030 LAKEVIEW DRIVE,
(33) Name of priority country	:U.S.A.	DULUTH, MINNESOTA-55803 U.S.A.
(86) International Application No	:PCT/US2010/040301	(72) <b>Name of Inventor :</b>
Filing Date	:29/06/2010	<b>1)MATTSSON, DONALD</b>
(87) International Publication No	:WO 2011/008516 A2	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates generally to methods and compositions for maintaining and manipulating microbial cultures of Gram-positive bacteria. Also provided are methods for identifying quorum sensing regulatory proteins and auto-inducing peptides in Gram-positive bacteria. Also provided are methods and compositions for affecting quorum sensing pathways of the genus Clostridium in culture including auto-inducing peptides to direct or maintain Clostridium cultures in a desired differentiated state. Differentiated states include extended serial propagation for the production of butanol or other fermentation products.

No. of Pages : 247 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7077/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/09/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : ADJUSTING IMAGE SHARPNESS DURING DIGITAL ZOOM PHOTOGRAPHY

(51) International classification :H04N5/30  
(31) Priority Document No :61/219,651  
(32) Priority Date :23/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/000976  
Filing Date :23/06/2010  
(87) International Publication No :WO 2010/148505 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)RESEARCH IN MOTION LIMITED**  
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WATERLOO, ONTARIO, N2L 3W8 Canada  
(72)**Name of Inventor :**  
**1)RODRIGUEZ MIGUEL ANGEL**  
**2)HONG SUNG HO**

(57) Abstract :

Different sharpness values are assigned to different digital zoom levels for generation of preview images from cropped images, where the dimensions of the cropped images correspond to the different digital zoom levels.

No. of Pages : 62 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.919/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/01/2012

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD AND ASSEMBLY FOR HANDLING CONTAINERS IN A FREEZE DRYER

(51) International classification :F26B5/06  
(31) Priority Document No :2003338  
(32) Priority Date :07/08/2009  
(33) Name of priority country :Netherlands  
(86) International Application No :PCT/EP2010/060557  
Filing Date :21/07/2010  
(87) International Publication No :WO 2011/015453  
A8  
(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)I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.**  
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(72)**Name of Inventor :**  
**1)VAN VEEN, JOHANNES**  
**2)DAMEN, FRANCISCUR ANTONIUS**  
**3)SCHAEPMAN, ALEXANDER CLEMENS HENRICUS JOSEF**  
**4)JONGENELEN, FLORENTINUS ADRIAAN CORNELIS MARIE**

(57) Abstract :

Method for transfer of containers, such as vials (101), between a freeze dryer (1) that is located at a first location and a separate transport vehicle (30) that is mobile with respect to the freeze dryer, wherein the freeze dryer (1) comprises a freeze dryer housing (2) with an access opening (11) towards an inner freeze drying chamber (10) inside the freeze dryer housing (2), multiple shelves (21-24) that are arranged spaced apart above each other inside the freeze dryer chamber (10) and each provided with a horizontally extending first flat supporting surface (25) for supporting the containers, wherein the mobile transport vehicle (30) comprises a mobile undercarriage (31) supporting a storage housing (33) with an access opening (40) towards an inner storage chamber (39), a carrier provided with a second flat supporting surface (58) for supporting the containers inside the storage housing (33), and a container shifter (60) for pushing out containers away from the second flat supporting surface (58) in a pushing out direction parallel to the second flat supporting surface (58).

No. of Pages : 38 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7430/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A NUTRITIONAL BEVERAGE AND A METHOD OF MAKING THE SAME

(51) International classification :A23L 2/84  
(31) Priority Document No :09155709.0  
(32) Priority Date :20/03/2009  
(33) Name of priority country :EUROPEAN UNION  
(86) International Application No :PCT/EP2010/053620  
Filing Date :19/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)Novozymes A/S**  
Address of Applicant :Krogshoejvej 36 DK-2880  
Bagsvaerd Denmark  
(72)**Name of Inventor :**  
**1)OBRECHT Jurg**  
**2)LAPERCHE Sylvain Roger**

(57) Abstract :

A refreshingly acidic beverage which is a potent mineralizing drink and a method of making it is described. It is made from grains preferably barley and soy and contains physiological supplements of calcium magnesium and amino acids that can be well assimilated. The method involves use of enzymes including a carbohydrate oxidase and a catalase during brewing

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7435/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : LED STRIP FOR SMALL CHANNEL LETTERS

(51) International classification :F21S 4/00  
(31) Priority Document No :09155387.5  
(32) Priority Date :17/03/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/IB2010/051057  
Filing Date :11/03/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)KONINKLIJKE PHILIPS ELECTRONICS N.V.**  
Address of Applicant :GROENEWOUDSEWEG 1  
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(72)**Name of Inventor :**  
**1)PEETERS Henricus M.**  
**2)VAN GOMPEL Waltherus E. J.**  
**3)VAN DER POEL Wilbert A. J. A.**

(57) Abstract :

A light emitting diode LED strip (301) for the illumination of channel signs is provided. The LED strip comprises a flexible circuit board a plurality of LEDs mounted on the circuit board and an electrical connector for connecting the LED strip to a power supply. The LED strip is at least in part encapsulated by a flexible resin such that the LED strip is foldable. The LED strip according to the present invention is advantageous in that its length can be adjusted by folding instead of cutting thereby retaining the waterproof encapsulation of the LED strip. Further a method for mounting a flexible LED strip (301) in a channel sign is provided.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.745/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 26/04/2013

(54) Title of the invention : FLAME RETARDANT MULTI-LAYER LABEL•

(51) International classification :B32B 27/18  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/073854  
Filing Date :10/09/2009  
(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)ONG Kenryuu Ley Keong**  
**2)HE Min**  
**3)LIN Jian**

(57) Abstract :

The present invention relates to a multi-layer label including: a backing film having a first surface and a second surface and a topcoat layer containing a polymeric matrix and a flame retardant and having a first surface and a second surface the second surface of the topcoat in intimate contact with the first surface of the backing film in which the label as a whole is in compliance with UL94 VTM-0 standard and comprises less than 900ppm of chlorine less than 900ppm of bromine and less than 1500ppm of chlorine and bromine in combination. The multi-layer label may further include a flame retardant layer containing a binder and a flame retardant and/or an adhesive layer optionally containing a flame retardant. The multi-layer label is useful in electronic products and mass transportation.

No. of Pages : 29 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7451/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :14/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : TOUCH ACTUATED SENSOR CONFIGURATION INTEGRATED WITH AN OLED STRUCTURE

(51) International classification :G06F 3/041

(31) Priority Document No :12/426,912

(32) Priority Date :20/04/2009

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

(86) International Application No :PCT/US2010/031483

Filing Date :16/04/2010

(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)APPLE INC.**

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95014 U.S.A.

(72)Name of Inventor :

**1)Shih Chang CHANG**

**2)Steven Porter HOTELLING**

(57) Abstract :

Briefly in accordance with one embodiment a passive touch sensor configuration is integrated with an OLED structure.

No. of Pages : 39 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7447/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : SEMI-PERSISTENT SCHEDULING FOR MULTI-CARRIER WIRELESS COMMUNICATION

(51) International classification :H04W 72/12

(31) Priority Document No :61/175,433

(32) Priority Date :04/05/2009

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

(86) International Application No :PCT/US2010/033632

Filing Date :04/05/2010

(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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Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
U.S.A.

(72)Name of Inventor :

**1)CHEN Wanshi**

**2)MONTJOJO Juan**

(57) Abstract :

Certain embodiments of the present disclosure present methods for semi-persistent scheduling (SPS) for multi-carrier wireless communications systems. The proposed methods support activation and release of one or more SPS services in any subframe for a given user configured with a plurality of carriers.

No. of Pages : 38 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.7448/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : CONVEYING SYNCHRONIZATION STRATUM INFORMATION

(51) International classification :H04W56/00

(31) Priority Document No :61/167,652

(32) Priority Date :08/04/2009

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

(86) International Application No :PCT/US2010/030436

Filing Date :08/04/2010

(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

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**1)GHEORGHIU Valentin A.**

**2)PALANKI Ravi**

**3)AGASHE Parag Arun**

(57) Abstract :

A method for self synchronization of a first base station is described. Synchronization information is received from a second base station. The first base station then synchronizes with the second base station using the received synchronization information. Synchronization information may be received from one or more base stations. The second base station may be part of the one or more base stations. A stratum may be determined for each of the one or more base stations. The synchronization information may include a stratum. The second base station may be selected as a synchronizing base station. The second base station may have the lowest stratum.

No. of Pages : 46 No. of Claims : 52



(12) PATENT APPLICATION PUBLICATION

(21) Application No.7449/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :13/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : PA GAIN STATE SWITCHING BASED ON WAVEFORM LINEARITY

(51) International classification :H03G 3/30

(31) Priority Document No :61/171,299

(32) Priority Date :21/04/2009

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

(86) International Application No :PCT/US2010/031961

Filing Date :21/04/2010

(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 :**

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(72)**Name of Inventor :**

**1)VERMA Sumit**

**2)CHELLAPPA Vijay K.**

**3)SAHOTA Gurkanwal Singh**

(57) Abstract :

Techniques for optimizing the power consumption of existing low cost multi-gain state power amplifiers (PA) to increase the talk time of wireless communication devices are described. In an exemplary embodiment a device such as a baseband processor operates to set a multistage PA having at least two gain states for amplifying a transmit signal to a lowest power consuming gain state. The device calculates a transition power level as a function of an identified maximum power reduction (MPR) value and switches the PA to a higher gain state from a lower gain state when a transmission power level is higher than the calculated transition power level.

No. of Pages : 29 No. of Claims : 26

(54) Title of the invention : A SINTER CHARGING SYSTEM FOR SINTER MACHINE AND DOWNDRAFT SINTERING PROCESS INVOLVING THE SAME

(51) International classification :C22B1/16  
 (31) Priority Document No :NA  
 (32) Priority Date :NA  
 (33) Name of priority country :NA  
 (86) International Application No :NA  
     Filing Date :NA  
 (87) International Publication No : NA  
 (61) Patent of Addition to Application Number :NA  
     Filing Date :NA  
 (62) Divisional to Application Number :NA  
     Filing Date :NA

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**3)SAMBANDHAM THIRUMALAI SELVAM**

**4)VENKAT RAO DESHMUKH**

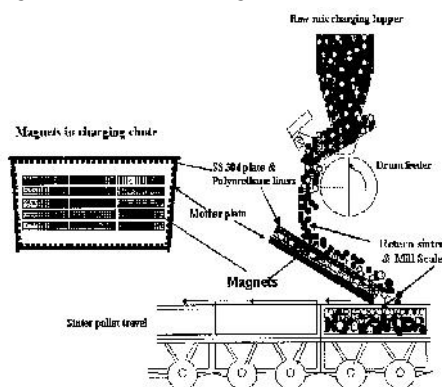
**5)DAS ARUNABHA**

**6)JOSHI HEMANT KUMAR**

**7)KUNDU ARUNJIT**

## (57) Abstract :

The present invention relates to a sinter mix charging system for sinter machine adapted to enhance productivity and yield. More particularly, a magnetic braking feeder based sinter machine charging system is disclosed which reduces the falling velocity of the mix by magnetic braking effect, which in turn increases the void fraction in the sinter bed. Moreover, the charging system segregates the magnetic materials such as return sinter and mill scale to the upper layer during down draft sintering process. This accelerates the process of pore coalescence during sintering through the enhancement of melt fluidity with the blending of return sinter and mill scale. The system and method of sinter mix charging in sintering machine according to the invention favour enhancing sinter machine speed, increased air filtration velocity, increased productivity with reduced solid fuel consumption and thus favouring prospect of wide scale application/installation of such system in sintering machines in large steel plants with significant cost advantage.



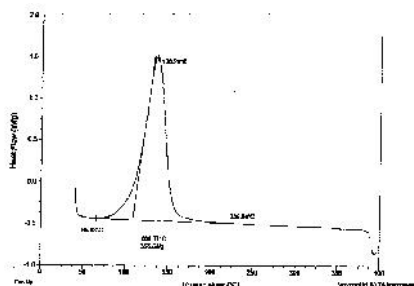
No. of Pages : 15 No. of Claims : 10

(54) Title of the invention : AN ADHESIVE SYSTEM FOR IN-SITU GLUING OF THE STAMPINGS OF END PACKETS OF STATOR CORE OF A TURBOGENERATOR

(51) International classification	:F02C 7/268	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)BHARAT HEAVY ELECTRICALS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :REGIONAL OPERATIONS
(33) Name of priority country	:NA	DIVISION (ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091,
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE,
(87) International Publication No	: NA	SIRI FORT, NEW DELHI-110049, INDIA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)VIRENDRA KUMAR</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an adhesive system for in-situ gluing of the stampings of end packets of stator core of a turbogenerator, comprising epoxy resin, anhydride hardener and tertiary amine, wherein said resin is bisphenol-A epoxy resin having average molecular weight 345, wherein said hardener is Methylhexahydrophthalic anhydride, and wherein said tertiary amine selected from a group of tertiary amine is one of benzyldimethyl amine and 2, 4, 6 - tris (dimethylaminomethylphenol).



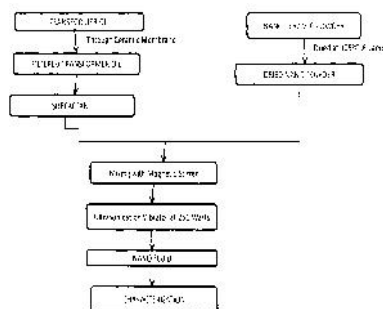
No. of Pages : 15 No. of Claims : 5

(54) Title of the invention : A PROCESS FOR IMPROVING THERMAL CONDUCTIVITY OF TRANSFORMER OIL BY NANOPARTICLE ADDITION

(51) International classification	:H01F27/12	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)BHARAT HEAVY ELECTRICALS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :REGIONAL OPERATIONS
(33) Name of priority country	:NA	DIVISION (ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE, SALT LAKE CITY, KOLKATA-700091,
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE,
(87) International Publication No	: NA	SIRI FORT, NEW DELHI-110049, INDIA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DR. LAKSHMI NARAYAN SATAPATHY</b>
(62) Divisional to Application Number	:NA	<b>2)KARTHIK KALASIPALYA VINODKUMAR</b>
Filing Date	:NA	<b>3)SRIDHARA VEERANNA</b>

(57) Abstract :

The present invention relates to compositions of nanofluids containing a thermally transfer fluid and ceramic nanoparticles. The nanofluid of the present invention is based on a hydrophobic fluid such as transformer oil and the nanoparticles suspended are multiwalled carbon nanotubes (MWCNT), copper oxide (CuO) and cerium oxide (CeO<sub>2</sub>). The invention further relates to a method of dispersing the nanoparticles in the base oil and surface active agents to form a stable suspension. The enhancement O thermal characteristics of these oil based nanofluids is determined and validated.



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

(54) Title of the invention : HOUSING FOR AN ACOUSTIC SENSOR AND A METHOD FOR IMPROVING SNR OF AN AUDIO SIGNAL

(51) International classification

:H04R

3/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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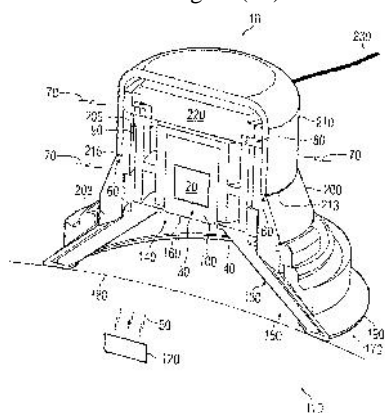
(72)Name of Inventor :

**1)ARCHANA KALYANSUNDAR**

**2)BALAJI TEEGALA**

(57) Abstract :

The invention relates to a housing (10) for accommodating an acoustic sensor (20) and a method of improving SNR of an audio signal. The acoustic sensor (20) is located at a dedicated position (30) in the housing (10). The housing (10) comprises a first opening (40) and a second opening (60). The first opening (40) is adapted to receive a first audio signal (50), whereas the second opening (60) is adapted to receive a second audio signal (70). The audio signal is made of a first audio signal (50) and a second audio signal (70). The housing (10) also comprises a first structure (80) that forms an acoustic path (90) from the second opening (60) to the dedicated position (30) for propagating the second audio signal (70). The first structure (80) is capable of dampening the second audio signal (70).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1355/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : METHOD FOR CONVERTING DUAL-IN-LINE PLATED THROUGH-HOLE (PTH) IC COMPONENT TO SURFACE MOUNT DEVICE (SMD)

(51) International classification :B65G23/44  
(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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SIRI FORT, NEW DELHI-110049, INDIA

(72)Name of Inventor :

**1)GANESH SIVA KUMAR**

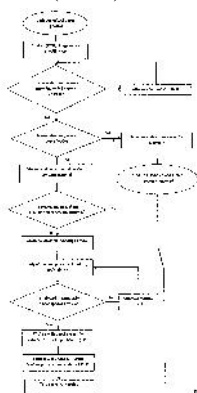
**2)NARENDRA PAL SINGH**

**3)KAPPANNA GUNABADRAN VIJAYA KUMAR**

**4)RAJENDRA SOWRIAPPAN**

(57) Abstract :

The present invention relates to a method of converting a dual in line plated through hole (PTH) IC component to a surface mount device (SMD).



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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1356/KOL/2011 A

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 26/04/2013

(54) Title of the invention : A PROCESS FOR RESISTANCE SPOT WELDING OF COLD-ROLLED HEAT-TREATED (UNCOATED) TRANSFORMATION INDUCED PLASTICITY (TRIP) AIDED STEEL

(51) International classification :B23K11/11  
(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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RESEARCH AND DEVELOPMENT AND SCIENTIFIC  
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(72)Name of Inventor :

1)MR. TANMAY BHATTACHARYYA

2)DR. ARUNANSU HALDAR

3)DR. MAHADEV SHOME

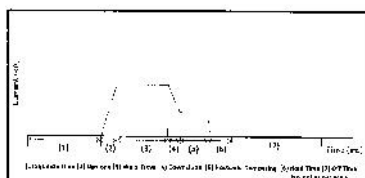
4)DR. DEBASHISH BHATTACHARJEE

5)DR. SHIV BRAT SINGH

(57) Abstract :

The invention relates to a process for resistance spot welding of cold-rolled heat-treated (uncoated) transformation induced plasticity (TRIP) aided steel, comprising the steps of :- making liquid steels in a vacuum induction furnace; casting the liquid steel in to ingots; soaking the ingot at 1150°C and forging to 30 mm thick plates, hot rolling of the forged plates to an average thickness of ()4 mm with finish rolling temperature 880- 920°C; normal air cooling of hot rolled plate; surfacing to remove the surface scales; cold rolling to 1.2 mm - 1.5 mm after an average reduction of 75% from hot rolled strips; surface cleaning of the cold rolled sheets; two step heat treatment (intercritical annealing and isothermal bainitic transformation) in two adjacent salt bath furnaces (allowing shortest possible shifting time from IA to IBT bath), Wherein the process parameters for welding are : current and time during the welding cycle ranges from 8-85 KA, and 200 to 250 ms, and that during post- welding tempering cycle ranges from 4-4.5 KA, and 400-450 ms respectively.

Ranges of parameters



Pre-heat Time (ms)	0
Squeeze Time (ms)	1000
Pre-heat Current (kA)	0
Heat Equalisation Time (ms)	0
Up-slope (ms)	200
Main Current (kA)	8 - 85
Weld Time (ms)	200 - 250
Down-slope (ms)	150
Post Heat current (kA)	4 - 4.5
Post Heat Time (ms)	400 - 450
Hold Time (ms)	200
Off Time (ms)	500

No. of Pages : 36 No. of Claims : 4

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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	256021	26/DELNP/2008	16/06/2006	17/06/2005	HELIX 12 DIRECTED NON-STEROIDAL ANTIANDROGENS	ENDORECHERCHE, INC.	04/07/2008	DELHI
2	256025	5815/DELNP/2005	10/06/2004	11/06/2003	THIENOPYRIMIDINE DERIVATIVES AS POTASSIUM CHANNEL INHIBITORS	XENTION DISCOVERY LIMITED	03/08/2007	DELHI
3	256026	451/DELNP/2008	18/07/2006	18/07/2005	AEROSOL CREAM MOUSSE, METHOD OF TREATING HAIR AND USE	THE PROCTER & GAMBLE COMPANY	15/02/2008	DELHI
4	256027	917/DEL/2006	31/03/2006		INDUSTRIAL PROCESS FOR THE PREPARATION OF 2-[4-(4-CHOLORO-BUTYRYL) PHENYL]-2-METHYL PROPANOL'	Ind-Swift Laboratories Limited.	05/10/2007	DELHI
5	256031	2312/DELNP/2008	12/09/2006	27/09/2005	A DUAL PHASE WHITENING ORAL CARE COMPOSITION	COLGATE-PALMOLIVE COMPANY	08/08/2008	DELHI
6	256032	6550/DELNP/2007	09/03/2006	09/03/2005	OPHTHALMOLOGIC COMPOSITIONS	LABORATOIRES THEA	14/09/2007	DELHI
7	256036	5664/DELNP/2007	01/02/2006	07/02/2005	A BATTERY CARTRIDGE-CONNECTING SYSTEM FOR BATTERY MODULES	LG CHEM, LTD.	10/08/2007	DELHI
8	256043	4639/DELNP/2007	17/08/2000	19/02/1998	A PROCESS FOR PREPARING COMPOUNDS OF FORMULA IIA	BAYER CROPSCIENCE LIMITED	31/08/2007	DELHI
9	256045	2321/DELNP/2004	21/02/2003	25/02/2002	A METHOD OF PROCESSING DATA	THE THOMSON LICENSING S.A.	02/10/2009	DELHI
10	256046	5224/DELNP/2006	28/03/2005	26/03/2004	COMPOUNDS USEFUL FOR INHIBITING MACROPHAGE MIGRATION INHIBITORY FACTOR	CYTOKINE PHARMASCIENCES, INC.	24/08/2007	DELHI
11	256047	1382/DELNP/2008	11/09/2006	12/09/2005	WATER-SUSPENDABLE AGRICULTURAL CHEMICAL COMPOSITION	SYNGENTA PARTICIPATIONS AG	02/05/2008	DELHI
12	256048	2432/DELNP/2008	14/09/2006	18/10/2005	POLYETHYLENE BLEND COMPONENT AND BLENDS CONTAINING THE SAME•	BOREALIS TECHNOLOGY OY	20/03/2009	DELHI



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1	167967	85/BOM/1989	05/04/1989		DETERGENT COMPOSITION	HINDUSTAN LEVER LIMITED.	27/05/1989	MUMBAI
2	168606	50/BOM/1989	28/02/1989		AN IMPROVED BUILDING MACHINE	ANANT NARAYN NAMJOSHI, CHIMANLAL GOVINCHAI PATEL, MANUBHAI BHAILALBHAI PATEL, SHANKAR GANESH KARANDIKAR	20/04/1989	MUMBAI
3	168610	240/BOM/1989	28/08/1989		A PROCESS FOR THE PREPARATION OF 4,15-EPOXYLONGI-FOLANE	CAMPOR AND ALLIED PRODUCTS LIMITED	11/11/1989	MUMBAI
4	168718	232/BOM/1989	18/08/1989		A REINFORCED RIBBED GLASS FOR SKYLIGHT OPENING AND THE LIKE.	SHIRISH BHAILAL PATEL	10/07/1989	MUMBAI
5	169423	44/BOM/1989	23/02/1989		A NOVEL ELECTRO CHLORINATOR HAVING A NOVEL ELECTRODE SYSTEM COMPRISING A PAIR OF ELECTRODE ASSEMBLES	ION EXCHANGE(INDIA)LIMITED	08/04/1989	MUMBAI
6	169426	124/BOM/1989	11/05/1989		A NON AQUEOUS DRUG FREE COSMETIC COMPOSITION CONTAINING ESTER OF PYROGLUTAMIC ACID.	HINDUSTAN LEVER LIMITED	01/07/1989	MUMBAI
7	169426	294/BOM/1989	01/11/1989		A PROCESS FOR THE PREPARATION OF NOVEL PHARMACOLOGICALLY ACTIVE 2-HYDROXY ACETOXY SUBSTITUTED POLYXGENATED LABDANE DERIVATIVES	HOECHST INDIA LIMITED.	30/12/1989	MUMBAI
8	169830	297/BOM/1989	03/11/1989		A PROCESS FOR THE PRODUCTION OF A NEW ANTIBIOTIC DEOXYMULUNDICAN DIAN FROM A MICROORGANISM ASPERGILLUS SYDOWII (BEINIER AND SARTORY) THOM AND CHURCH VAR. NOV. MULUNDANSIS ROY (CULTURE NOY-30462).	HOECHST INDIA LIMITED.	30/12/1989	MUMBAI

9	170485	139/BOM/1989	30/05/1989		A PROCESS FOR THE ISOLATION OF A NEW STRAIN OF STREPTOMYCES SPECIES CULTURE NO.HIL Y-86,36923,ITS VARIANTS AND MUTUANTS,AND THE PRODUCTION OF A NOVEL ANTIBIOTIC CALLED BUTALACTIN THEREFROM.	HOECHST INDIA LIMITED	30/12/1989	MUMBAI
10	170612	222/BOM/1989	09/08/1989		PROCESS FO PURIFYING CRUDE GLYCEROL.	HINDUSTAN LEVER LIMITED.	07/10/1989	MUMBAI
11	170702	251/BOM/1989	12/09/1989		AN IMPROVED CONTINUOUS VACUUM PAN FOR CRYSTALLISATION OF SUGAR	DATTA SAVLARAM LANDE	18/11/1989	MUMBAI
12	170703	263/BOM/1989	26/09/1989	17/10/1988	PROCESS FOR PREPARING IMPROVED HYDROLYSED PROTEIN	HINDUSTAN LEVER LIMITED	18/11/1989	MUMBAI
13	170705	292/BOM/1989	25/10/1989		A PORTABLE DEVICE FOR DIRECTLY CHILLING AND STORING MILK	HONNAVALLY RAMASWAMY GOPALASWAMY	30/12/1989	MUMBAI
14	170993	249/BOM/1989	11/09/1989		APPARATUS FOR PELLETIZING MATERIAL	NKK CORPORATION	18/11/1989	MUMBAI
15	171123	246/BOM/1989	05/09/1989		AN IMPROVED SWITCH	HEMLATA SOHAN CHORDIYA,SAVITA SHANTILAL CHORDIYA,ABHA SURESH CHORDIYA,ESBEE INDUSTRIAL COMINES PVT. LTD.	11/11/1989	MUMBAI
16	171127	354/BOM/1989	27/12/1989	28/12/1988	BLEACHING COMPOSITION	HINDUSTAN LEVER LIMITED	24/02/1990	MUMBAI
17	171182	230/BOM/1989	17/08/1989		IMPROVED DIRECT PROCESS MANUFACTURING CALCIUM ALUMINATE HYDRAULIC REFRACTORY BINDER HAVING IN INTERMEDIATE PURITY OF 35-65% ALUMINA AT LOW SINTERING TEMPRATURE OF LESS THAN 1300 C.	THE ASSOCIATED CEMENT COMPANIES	07/10/1989	MUMBAI
18	171292	340/BOM/1989	11/12/1989		A PROCESS OF MANUFACTUING HIGH COMPRESSISILITY IRON POWDERS	SUBHANJAN MOHANTY	04/02/1989	MUMBAI
19	171322	339/BOM/1989	11/12/1989		AN APPARATUS FOR A BOARD GAME	AZHAR SAMUD KARRIM	03/02/1990	MUMBAI

20	171532	266/BOM/1989	28/09/1989		SUNSCREEN COMPOSITION SUITABLE FOR TOPICAL APPLICATION TO HUMAN SKIN OR HAIR.	HINDUSTAN LEVER LIMITED.	18/11/1989	MUMBAI
21	171561	343/BOM/1989	15/12/1989		A DEVICE FOR ASCERTAINING THE DIFFERENCE IN RISE IN TEMPRATURE IN THE CUTANEOUS THERMAL SCAN PARTICULARLY AT THE ANTIGEN PRICK TEST SITE AND BUFFER SALINE CONTROL PRICK TEST SITE TO CONFIRM THE ALLERGENICITY TO ANY PARTICULAR PROTI	LATA BHALCHANDRA BAPAT	17/02/1990	MUMBAI
22	171811	221/BOM/1989	08/08/1989		A PROCESS FOR THE PREPARATION OF A LUBRICATING COMPOSITION	INDIAN OIL CORPORATION LIMITED	07/10/1989	MUMBAI
23	256022	2173/MUMNP/2007	08/05/2006	23/05/2005	METHOD FOR ASCERTAINING AND/OR MONITORING A PROCESS VARIABLE	ENDRESS + HAUSER FLOWTEC AG	11/01/2008	MUMBAI
24	256023	1665/MUMNP/2008	16/02/2007	17/02/2006	DEUTERATED CATECHOLAMINE DERIVATIVES AND MEDICAMENTS COMPRISING SAID COMPOUNDS	BIRDS PHARMA GMBH BEROLINA INNOVATIVE RESEARCH & DEVELOPMENT SERVICES	19/12/2008	MUMBAI
25	256028	821/MUMNP/2009	15/10/2007	13/10/2006	METATHESIS METHODS INVOLVING HYDROGENATION AND COMPOSITIONS RELATING TO SAME•	ELEVANCE RENEWABLE SCIENCES INC.	22/05/2009	MUMBAI
26	256049	506/MUMNP/2008	16/08/2006	30/08/2005	METHODS OF MAKING XYLENE ISOMERS	BP CORPORATION NORTH AMERICA INC.	25/04/2008	MUMBAI

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1	256011	589/CHENP/2007	08/08/2005	09/08/2004	COPOLYMERIZATION OF 1,4-DIOXAN-2-ONE AND A CYCLIC ESTER MONOMER PRODUCING THERMAL STABILIZED 1,4-DIOXAN-2-ONE(CO)POLYMERS	MICHIGAN STATE UNIVERSITY	24/08/2007	CHENNAI
2	256012	4703/CHENP/2006	17/06/2005	21/06/2004	POLISH COMPOSITION FOR LEATHER OR SYNTHETIC LEATHER	M/S. RECKITT BENCKISER (UK) LIMITED	29/06/2007	CHENNAI
3	256013	509/CHE/2006	22/03/2006		A PROCESS FOR THE EFFECTIVE UTILIZATION OF WASTE HEAT AND SYSTEM THEREOF	S. KUMAR	07/12/2007	CHENNAI
4	256014	2390/CHENP/2008	14/11/2006	17/11/2005	PROCESS FOR THE PRODUCTION OF HIGH-OCTANE HYDROCARBON COMPOUNDS BY THE SELECTIVE DIMERIZATION OF ISOBUTENE CONTAINED IN A STREAM WHICH ALSO CONTAINS C5 HYDROCARBONS	SNAMPROGETTI S.P.A	06/03/2009	CHENNAI
5	256015	3090/CHENP/2004	22/07/2003	24/07/2002	FRAGRANCE DISPENSING DEVICE	M/S GIVAUDAN SA	17/02/2006	CHENNAI
6	256016	4777/CHENP/2006	23/06/2005	29/06/2004	STEEL SHEET WITH HOT DIP GALVANIZED ZINC ALLOY COATING AND PROCESS TO PRODUCE IT	TATA STEEL IJMUIDEN B. V.	29/06/2007	CHENNAI
7	256018	220/CHE/2005	08/03/2005	09/03/2004	LUBRICATION STRUCTURE IN ENGINE	HONDA MOTOR CO., LTD.	16/03/2007	CHENNAI
8	256019	1302/CHE/2005	15/09/2005		PYRIMIDINE CARBOXIMIDES	ORCHID RESEARCH LABORATORIES LTD	27/07/2007	CHENNAI
9	256020	297/CHE/2005	21/03/2005	31/03/2004	ELECTRIC POWERED VEHICLE	HONDA MOTOR CO. LTD	16/03/2007	CHENNAI

10	256024	3694/CHENP/2006	14/02/2005	06/04/2004	WINDSHIELD WIPER, ESPECIALLY FOR A MOTOR VEHICLE	ROBERT BOSCH GMBH	06/07/2007	CHENNAI
11	256029	5267/CHENP/2007	19/04/2006	20/04/2005	CASTER ADJUSTABLE SUSPENSION SYSTEM	RIDEWELL CORPORATION	25/01/2008	CHENNAI
12	256033	3393/CHENP/2006	17/01/2005	17/01/2006	FUEL-INJECTION DEVICE FOR AN INTERNAL COMBUSTION ENGINE	ROBERT BOSCH GmbH	20/07/2007	CHENNAI
13	256034	94/CHE/2005	03/02/2005	03/02/2004	A SEALING ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE	International Engines South America LTDA	16/03/2007	CHENNAI
14	256035	3010/CHENP/2008	16/11/2005	16/11/2005	A CONTAINER FOR PRODUCTS SUCH AS ACCESSORIES	MAGIC PRODUCTION GROUP (M.P.G.) S.A.	06/03/2009	CHENNAI
15	256037	1304/CHENP/2005	18/12/2003	20/12/2002	A PROCESS FOR THE PREPERATION OF CRYSTALLINE FORMS OF THE OPTICAL ENANTIOMERS OF MODAFINIL	CEPHALON FRANCE	31/08/2007	CHENNAI
16	256038	5139/CHENP/2007	13/03/2006	14/04/2005	PROCESS FOR FORMING A WELL VISIBLE NON-CHROMATE CONVERSION COATING FOR MAGNESIUM AND MAGNESIUM ALLOYS	CHEMETALL GMBH	27/06/2008	CHENNAI
17	256040	3464/CHENP/2006	18/03/2005	22/03/2004	NONAQUEOUS ELECTROLYTE SOLUTION AND LITHIUM SECONDARY BATTERY USING SAME	UBE INDUSTRIES LTD	15/06/2007	CHENNAI
18	256044	1215/CHE/2006	12/07/2006		MOLECULAR CACHE FOR MULTI-CORE PROCESSORS	INDIAN INSTITUTE OF SCIENCE	06/06/2008	CHENNAI

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1	256017	1792/KOLNP/2006	05/01/2005	06/01/2004	ORMOSIL AEROGELS CONTAINING SILICON BONDED LINEAR POLYMERS	ASPEN AEROGELS, INC.	11/05/2007	KOLKATA
2	256030	3700/KOLNP/2007	03/04/2006	01/04/2005	DEEP ROLLING MACHINE FOR CRANKSHAFTS	HEGENSCHEIDT-MFD GMBH & CO. KG.	25/01/2008	KOLKATA
3	256039	495/KOL/2006	24/05/2006	27/05/2005	TOOL FOR COLD FORMING OPERATIONS WITH IMPROVED PERFORMANCE	SANDVIK INTELLECTUAL PROPERTY AB	22/06/2007	KOLKATA
4	256041	4284/KOLNP/2007	11/05/2006	13/05/2005	GLP-1 PEGYLATED COMPOUNDS	ELI LILLY AND COMPANY	09/05/2008	KOLKATA
5	256042	4500/KOLNP/2007	01/06/2006	08/06/2005	SEMICONDUCTIVE CROSSLINKABLE POLYMER COMPOSITION	BOREALIS TECHNOLOGY OY	03/04/2009	KOLKATA

***CONTINUED TO PART- 2***