

पेटेंट कार्यालय  
का  
शासकीय जर्नल

**OFFICIAL JOURNAL  
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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**

31<sup>ST</sup> MAY, 2013

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**THE PATENT OFFICE  
KOLKATA, 31/05/2013**

**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 31/05/2013**  
**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 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.1234/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :26/04/2013 (43) Publication Date : 31/05/2013

(54) Title of the invention : SLOTTED HOLES MESH FILTERED STEEL PILE

(51) International classification	:E02D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)NARESH KUMAR</b>
(32) Priority Date	:NA	Address of Applicant :ASSISTANT, PROFESSOR, CIVIL
(33) Name of priority country	:NA	ENGG. DEPTT. DELHI TECHNOLOGICAL UNIVERSITY
(86) International Application No	:NA	OPPOSITE SECTOR-17 ROHINI, NEAR VILLAGE
Filing Date	:NA	SHAHABAD DAULATPUR, BAWANA ROAD, DELHI-42
(87) International Publication No	: NA	India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)NARESH KUMAR</b>
(62) Divisional to Application Number	:NA	<b>2)ASHUSTOSH TRIVEDI</b>
Filing Date	:NA	

(57) Abstract :

Described herein is a Slotted Holes Mesh- Filtered Steel Pile that can be used in a variety of soil conditions as well as apparatus and associated methods. Slotted holes helps in increase of effective stresses in soil-steel pile surface interaction by draining out extra buildup of pore water pressure in the immediate and longer run of time. As the potential flow of water will not be outwards but inwards to inside of steel pile through slotted holes of steel pile. It relieves of chances of buildup of excess pore water pressure for liquefaction of soils in the radially stressed zones of interaction of soil-steel pile. As effective stresses are directly proportional to shear strength of the soil mass, thereby, it will lead to increase of side-resistance on soil-steel pile surfaces. The side-resistance which is a part of load carrying capacity of steel piles will be increased to a large extent due to increase of effective stresses on soil-steel pile interface. This will be further increased due to presence of slotted holes on the outer lateral surface of the steel pile which not only drains out pore water to inside of the steel pile through mesh filter but also increase frictional forces due to roughness of the surface. In totality, it leads to increase in load carrying capacity of the pile, increase in the density of adjoining soil mass, consolidation of the soft soil and improved safety factor for designed loads of super-structures. The dewatering unit attached through a pipe from the top-most slotted hole of the steel pile shall act to remove the drained out water collected in-side the slotted hole steel pile. This special feature of slotted hole is provided throughout the vertical wall to accelerate the drainage in the entire zone of influence. A fine wire mesh of a designed sieve size is placed inside the slotted steel pile.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.1260/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 31/05/2013

(54) Title of the invention : RETRACTABLE VEHICLE SHADE

(51) International classification	:B60J	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)PRAMOD KUMAR</b>
(32) Priority Date	:NA	Address of Applicant :42, SFS FLATS, SECTOR-3,
(33) Name of priority country	:NA	POCKET 1 & 2 (EKTA APARTMENTS), DWARKA,
(86) International Application No	:NA	N.DELHI. India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)PRAMOD KUMAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A Retractable Vehicle Shade comprises a pipe closed with caps having holes; two shafts - one smaller, enter the pipe from both the ends; shafts other ends rest on metal pieces; a spring encloses shaft inside the pipe - one end attached to shaft and the other to cap; white waterproof cloth with magnets attached to its other end is wound on the pipe; one end of the acrylic foam tape is attached to the metal piece and the other to the vehicle body when the device is fitted to the vehicle. After parking the vehicle in the sun or otherwise, cloth is pulled out and spread on the windshield / windowpane by attaching the magnetic part of the cloth to the metallic / iron part of the vehicle body. When suns rays fall on the white cloth, being opaque, it does not allow them to enter the vehicle, but reflects them and does not become hot. Vehicles inner temperature does not go up. Moreover, the glass remains clean and dry even during dusty, cold, rainy and snowy weather. To resume driving, the magnetic end of the cloth is lifted and released so that the cloth again gets wound on the pipe.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1259/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 31/05/2013

(54) Title of the invention : SELF DRY MOP.

(51) International classification	:A47L	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)PRAMOD KUMAR</b>
(32) Priority Date	:NA	Address of Applicant :42, SFS FLATS, SECTOR-3,
(33) Name of priority country	:NA	POCKET 1 & 2 (EKTA APARTMENTS), DWARKA,
(86) International Application No	:NA	N.DELHI. India
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)PRAMOD KUMAR</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A self dry mop comprises a pipe with a handle, four protruding pieces of square rods screwed to it, having two holes at the extreme bottom; the pipe being connected to two rods through a screw which runs through the pipe from these holes and ends in the rods, the rods being attached to a piece of metal/plastic, the piece of metal/plastic being attached to a rubber sheet and mop cloth woven of 100% nylon yarn, sewed to the rubber sheet. There is a bucket / container for containing water along with a fixture for placing the mop when not in use. To use, the mop is dipped in water, taken out and rested on the fixture for less than 1 minute to drain out the excess water. It is then put on the floor in such a way that the entire mop cloth is spread on the floor and used to clean every nook and corner of the floor by maneuvering the handle, which can move 180 degrees - 90 degrees on each side. In the whole exercise, the user has not used hands or external device to wring dry the mop cloth and the entire operation is performed very fast and with least effort.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.211/DEL/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : A LOW POWER HIGH PERFORMANCE STATE FLIP-FLOP BASED ON DUAL REGENERATIVE FEEDBACK LOOP STRATEGY

(51) International classification	:G03F	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)S.C. TIWARI</b>
(32) Priority Date	:NA	Address of Applicant :CF - 278, ANSAL GOLF LINKS - 1,
(33) Name of priority country	:NA	SECTOR OHEGA - GREATER NOIDA 201308 Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	<b>2)KUNWAR SINGH</b>
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)KUNWAR SINGH</b>
Filing Date	:NA	<b>2)S.C. TIWARI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Flip-flops and latches are indispensable components of modern digital systems. Flip-flops and latches along with the clock network account for 30-70% of the total system power dissipation. Flip-flops also determine the highest operating speed of any synchronous digital system driven by clock. Hence there is always a need for high performance and low power flip flop designs implemented with minimum number of transistors to save chip area.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3230/DEL/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : NOVEL SOLID DOSAGE FORMULATIONS OF TRIKATU AND METHODS OF PREPARATION THEREOF.

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MUNISH GARG</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF
(33) Name of priority country	:NA	PHARMACEUTICAL SCIENCES, M.D. UNIVERSITY,
(86) International Application No	:NA	ROHTAK-124001, HARYANA, INDIA
Filing Date	:NA	<b>2)DHARAMBIR SINGH</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)MUNISH GARG</b>
Filing Date	:NA	<b>2)DHARAMBIR SINGH</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention generally relates to the preparation and evaluation of standardized solid dosage of Trikatu. More particularly, it relates to advanced dosages formulations of Trikatu, which is a well known an Ayurvedic preparation. The formulations are developed in the form of tablets and dispersible tablets. To develop this preparation, the extract of Trikatu ingredients was standardized and formulated in the form of tablets using direct compression technique.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3231/DEL/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : NOVEL URSOLIC ACID LOADED PRONIOSOMAL GEL AND METHOD OF PREPARATION THEREOF

(51) International classification	:A61K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)MUNISH GARG</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF
(33) Name of priority country	:NA	PHARMACEUTICAL SCIENCES, M.D. UNIVERSITY,
(86) International Application No	:NA	ROHTAK-124001, HARYANA, INDIA
Filing Date	:NA	<b>2)PARUL GARG</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	<b>1)MUNISH GARG</b>
Filing Date	:NA	<b>2)PARUL GARG</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention generally relates to the preparation of Ursolic acid loaded proniosomal gel by coacervation phase separation method. Ursolic acid is a well known anti-inflammatory bioactive compound. Gel prepared by coacervation phase separation method directly gives gel form of Proniosomes, which is an advantage over other methods of preparation of Proniosomes.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1863/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :18/06/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : MULTI TOOL AND MULTI PLATFORM ENGINE

(51) International classification	:G05B	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)CRESTECH SOFTWARE SYSTEMS PVT. LTD.</b>
(32) Priority Date	:NA	Address of Applicant :CRESTECH SOFTWARE
(33) Name of priority country	:NA	SYSTEMS PVT. LTD. C 4/20 MODEL TOWN DELHI 110009
(86) International Application No	:NA	INDIA
Filing Date	:NA	(72) <b>Name of Inventor :</b>
(87) International Publication No	: NA	<b>1)PANKAJ GOEL</b>
(61) Patent of Addition to Application Number	:NA	<b>2)PALLAVI SHARMA</b>
Filing Date	:NA	<b>3)AVINASH TIWARI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a solution architecture wherein one uses a fusion of test automation tools across platforms, leveraging the capabilities of the individual tool(s) to achieve a state of complete test automation and at the same time reducing the overall test automation effort required to achieve seamless automation of any application under test; thereby providing a scalable; reliable and extensible solution. The invention further relates to a process of automation testing by a seamless integration of plurality of tools across multiple platforms for automation of a complex application.

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

(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : NOVEL PRONIOSOMAL GEL OF WITHANIA SOMNIFERA

(51) International classification	:A61K	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)MUNISH GARG</b>
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF
(33) Name of priority country	:NA	PHARMACEUTICAL SCIENCES, M.D. UNIVERSITY,
(86) International Application No	:NA	ROHTAK - 124001, HARYANA, INDIA
Filing Date	:NA	<b>2)MONIKA JOON</b>
(87) International Publication No	: NA	(72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number	:NA	<b>1)MUNISH GARG</b>
Filing Date	:NA	<b>2)MONIKA JOON</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention generally relates to method of preparing proniosomal gel. More particularly, it relates to preparation of proniosomal gel of standardised Withania somnifera leaves extract, for better bioavailability, anti-inflammatory activity, to be used as transdermal application. To obtain this gel, the leaves extract of Withania somnifera is incorporated along with and like other components of the proniosomal gel by coacervation phase separation method. This method directly gives gel form of Proniosomes, hence preferable over other tedious methods of proniosomal gel preparation in which the Proniosomes are first prepared and then incorporated into some suitable gel base.

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

(54) Title of the invention : SWASH PLATE TYPE REFRIGERATION COMPRESSOR WITH CYLINDER BORES HAVING MULTIPLE AXIAL TAPER OIL SEPARATION GROOVES FOR ALL AUTOMOTIVE AND NON-AUTOMOTIVE AIR-CONDITIONING AND REFRIGERATION APPLICATIONS

(51) International classification	:F04B	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)SUBROS LIMITED</b>
(32) Priority Date	:NA	Address of Applicant :LOWER GROUND FLOOR,
(33) Name of priority country	:NA	WORLD TRADE CENTRE, BARAKHAMBA LANE, NEW
(86) International Application No	:NA	DELHI - 110 001. India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)D.M. REDDY</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention discloses a unique concept of swash plate type compressor (both single acting and double acting designs) which has the innovative feature Cylinder Bores having multiple axial taper Oil Separation Grooves near the bottom dead center (BDC) of piston operation in the cylinder blocks, which are equi-spaced annularly. The oil is get collected due to Surface tension, Viscous Force & Capillary action into the grooves and groove parameters are optimized (Groove depth, Groove taper angle and groove length) with Optimum Differential pressure to push the collected oil in the grooves to swash chamber with minimum most refrigerant gas blow-by. In a preferred embodiment the cylinder blocks are made up of metallic materials (Aluminium, Cast-iron, Steel) etc...(by forging, machining, casting, molding) or Non-metallic materials like PTFE, PEEK , PPS through injection molding process. In overall the Coefficient of Performance (COP) of the Compressor and the entire Air-Conditioning systems consist of Compressor, Condenser, Valve expansion , evaporator with or without Internal heat Exchanger (IHx) connected back to compressor in the sequence written is improved by this new invention. The salient features of our invention are using Cylinder bores having multiple axial taper Oil Separation Grooves near the bottom dead center (BDC) of piston operation in the cylinder blocks, which are equi-spaced annularly in swash plate and wobble plate type compressors for the cooling capacity range from 0.5 kW to 50 kW for Automotive and Non-Automotive Air-Conditioning and Refrigeration applications with fixed and variable displacement Designs with multiple single acting and double acting Pistons.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.4039/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :28/12/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : A BIOCONVERSION METHOD TO IMPROVE NUTRITIONAL PROPERTIES OF LIGNOCELLULOSIC RESIDUES

(51) International classification	:A23K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)REGISTRAR, UNIVERSITY OF DELHI SOUTH CAMPUS,</b>
(32) Priority Date	:NA	Address of Applicant :LIGNOCELLULOSE
(33) Name of priority country	:NA	BIOTECHNOLOGY LAB, DEPT. OF MICROBIOLOGY,
(86) International Application No	:NA	UNIVERSITY OF DELHI SOUTH CAMPUS, NEW DELHI -
Filing Date	:NA	110021 India
(87) International Publication No	: NA	<b>2)DEPARTMENT OF BIOTECHNOLOGY</b>
(61) Patent of Addition to Application Number	:NA	<b>3)AYURVET LIMITED</b>
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	<b>1)KUHAD, RAMESH CHANDER</b>
Filing Date	:NA	<b>2)SHRIVASTAVA, BHUVNESH</b>
		<b>3)KALRA, ANUP</b>

(57) Abstract :

The Invention relates to a process of improving digestibility and nutritive value of a lignocellulosic animal feed. The process comprises fermenting wheat straw by a basidiomycetous fungi, which would lead to the production of highly digestible and nutritive ruminant feed. The invention discloses a method to produce nutritively rich ruminant feed using quick colonizing basidiomycetous fungus. The fermented feed produced hereby is nontoxic and has improved palatability and nutrient digestibility.

No. of Pages : 35 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1398/MUM/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR SEGMENTATION OF SLAP FINGERPRINTS

(51) International classification :G06K9/00  
(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)C-DAC-CENTRE FOR DEVELOPMENT OF  
ADVANCED COMPUTING**  
Address of Applicant :GULMOHAR CROSS ROAD NO.9  
JUHU,MUMBAI-400 049 MAHARASHTRA(INDIA)  
(72)**Name of Inventor :**  
**1)SAQUIB ,ZIA**  
**2)SONI, SANTOSH KUMAR**  
**3)SUHASARIA,SWETA**  
**4)T.K.VARUNKRISHNAN**  
**5)MOKAL ,PRATIBHA**  
**6)SINGH ,ANAMIKA**

(57) Abstract :

The present invention is a system and method for automated segmentation of slap fingerprints. Slap segmentation is the process by which a single image containing four (or two in case of thumbs) fingerprints is segmented into four/two images of the corresponding individual fingers. The use of slap fingerprint offers operational improvements over the use of rolled fingerprints, since collecting slap fingerprints is a rapid process that does not require the same degree of operator training and manhandling of the subject. Slap segmentation can prove difficult for various reasons. The most common ones may include large rotations, background noise (the halo effect, residual latent prints, handwritten and printed texts, punch marks etc.), missing fingers, cropped fingers, etc. The present invention analyzes and segments the fingerprint slap images with high precision, and addresses most of the operational/field issues in civil and criminal applications.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1548/MUM/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : HYDRAULIC POWER PLANT

(51) International classification	:F02B63/04; F03B13/22	(71) <b>Name of Applicant :</b> <b>1)SANDEEP MURALIDHARAN PILLAI</b> Address of Applicant :1/201 SHREE DARSHAN APARTMENTS OPPOSITE VEGETABLE MARKET GORWA VADODARA 390003 Gujarat India
(31) Priority Document No	:NA	<b>2)SHIVAMKUMAR SUBHASHCHANDRA PUROHIT</b>
(32) Priority Date	:NA	(72) <b>Name of Inventor :</b>
(33) Name of priority country	:NA	<b>1)SANDEEP MURALIDHARAN PILLAI</b>
(86) International Application No	:NA	<b>2)SHIVAMKUMAR SUBHASHCHANDRA PUROHIT</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system (100) for generating electricity. The system includes an electric motor (106), which is connected to a hydraulic pump (110). The hydraulic pump (110), receives oil from an oil reservoir (104), and thereupon, pressurises the oil. The pressurised oil is fed to a hydraulic cylinder (114) through pipes (108). The pressurised oil imparts liner motion to the piston of the hydraulic cylinder (114). The liner motion is converted into rotary motion by the mechanical linkages connected to the end of the piston rod. The rotary motion is fed to the electric generator (118) to generate electricity, after stepping up the rotation using a step up gearbox (116).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1771/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :18/05/2013

(43) Publication Date : 31/05/2013

(54) Title of the invention : STABLE MICRO-NANO MICELLES OF WATER AND BROWN<sup>TM</sup>S GAS IN HYDROCARBON FUEL OILS & PROCESS FOR ITS MANUFACTURING

(51) International classification	:C10L1/32; C10L 1/16	(71)Name of Applicant : <b>1)Vishalkumar Suthar</b> Address of Applicant :46, Anandnagar Society, Kheralu Road, Visnagar Gujarat India
(31) Priority Document No	:NA	<b>2)Kalpesh Gajjar</b>
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	<b>1)Vishalkumar Suthar</b>
(86) International Application No	:NA	<b>2)Kalpesh Gajjar</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 hydrocarbon fuel oil emulsion containing stable micro-nano micelles of micro-nano bubbled water with Brown<sup>TM</sup>s Gas (oxy hydrogen) in continuous medium of hydrocarbon fuel oil to reduce overall emissions and to increased efficiency without compromising significant loss in BTU and cetane number for internal as well as external combustion engines. And flexible and efficient process for manufacturing the same comprising the steps of filtration of source water and hydrocarbon fuel oil, additive package formulation, pre-mixing of additive package with hydrocarbon fuel oil, ionization of water to get cationic and anionic water, oxy hydrogen gas generation from cationic water, generation of micro-nano bubble of oxy hydrogen gas in anionic water, and finally preparing emulsion of premixed hydrocarbon fuel oil containing additive package with micro-nano bubbled water containing micro nano bubbles of oxy hydrogen gas.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1790/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 31/05/2013

(54) Title of the invention : RFID BASED VEHICLE IDENTIFICATION SYSTEM AND ACCESS CONTROL INTO PARKING

(51) International classification	:G07B15/02, B60R25/00	(71) <b>Name of Applicant :</b> <b>1)Dr. Sanjay Trymbak Gandhe</b> Address of Applicant :Principal, Sandip Foundation <sup>TM</sup> s Sandip Institute of Technology and Research Centre, Mahiravani, Trimbak Road, Nashik Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b>
(32) Priority Date	:NA	<b>1)Prof. Amol D. Potgantwar</b>
(33) Name of priority country	:NA	<b>2)Anurag Hemant Wad</b>
(86) International Application No	:NA	<b>3)Pranav Prakash Pandit</b>
Filing Date	:NA	<b>4)Sidhesh Kumar</b>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present invention revolves around the problem definition RFID Based Vehicle Identification and Access Control into parking, providing automated identification of vehicles using RFID system. It also provides an access control mechanism for the parking area by authorizing the vehicles using the RFID tags. The UID of the RFID tag will be stored in the database and will fetched every time the vehicle comes or wishes to come into the parking area. If the UID matches with the one stored against the vehicle information stored into the database, the vehicle will get an access into the parking area. We will also provide business intelligence tools such as Report Generation for making management decisions. Such reports may be used for further planning. In such way a complete Parking Identification System is proposed in the problem definition. Following invention is described in detail with the help of Figure 1 of sheet 1 showing Vehicle Check-in flowchart describing the check-in process, Figure 2 of sheet 2 showing Vehicle Check-in flowchart describing the check-in process, Figure 3 of sheet 3 showing Vehicle approaching the RFID reader antenna, Figure 4 of sheet 3 showing RFID antenna detecting the tag, Figure 5 of sheet 4 showing Vehicle Check-out flowchart describing the check-out process, Figure 6 of sheet 5 showing breakdown structure of the invention.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1837/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :24/05/2013

(43) Publication Date : 31/05/2013

(54) Title of the invention : A FORMULATION FOR THE TREATMENT OF CANCER

(51) International classification :A61K35/22; A61P35/00  
(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)Shree Prabhav Hem Kamdhenu Girivihar Trust**

Address of Applicant :Girivihar, Taleti Road, Palitana, Dist.  
Bhavnagar Gujarat India

(72)Name of Inventor :

**1)Dr. Subrata De**

**2)Dr. Nikhil Jirankalgikar**

(57) Abstract :

This invention discloses the use of four components obtained from cow source in a specific ratio for the human use. This composition in the said ratio is effective in the control of cancerous cell growth as evidenced from in vitro experiments at cell line levels.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1367/MUM/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : A RAIN SENSOR

(51) International classification	:G01N27/02	(71) <b>Name of Applicant :</b> <b>1)KORE SHANTANU SHRIKANT</b> Address of Applicant :TARA-PRASAD, VITHOBA ROAD, A/P: ASHTA, TAL: WALWA, DIST: SANGLI,PIN CODE- 416301 Maharashtra India
(31) Priority Document No	:NA	(72) <b>Name of Inventor :</b> <b>1)KORE SHANTANU SHRIKANT</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 :

The present invention discloses a rain sensor. The rain sensor has a predetermined geometry which causes the rain water drops to form a film or column on the sensor surface. This film or column of water causes a change in the impedance of the sensor. This change in impedance of the sensor is used for automatically varying the rate of rotation of the windshield wiper.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1496/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :23/04/2013

(43) Publication Date : 31/05/2013

(54) Title of the invention : NOVEL SYSTEM OF PHYTASE SUPPLEMENTATION IN AQUACULTURE

(51) International classification	:C02F1/00; C02F1/60;	(71) <b>Name of Applicant :</b> <b>1)CHAROTAR UNIVERSITY OF SCIENCE &amp; TECHNOLOGY</b>
(31) Priority Document No	:NA	Address of Applicant :TAL. PETLAD, VILL. CHANGA-
(32) Priority Date	:NA	388421, DIST. ANAND, Gujarat India
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)GAYATRI ASHWINKUMAR DAVE</b>
Filing Date	:NA	<b>2)HASMUKH AMRUTLAL MODI</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 novel system of phytase supplementation in aquaculture. The invention further relates to a novel system of phytase supplementation in aquaculture, which ensures thermal stability and acid tolerance during feed pelleting and as well ensuring easy recovery of unconsumed phytase from aquaculture in a closed water system.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3648/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :27/12/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEMS AND METHOD FOR DATA INTEROPERABILITY ACROSS INTERACTIVE VOICE RESPONSE SYSTEM(IVRS)

(51) International classification	:H04M7/00, H04M3/493	(71)Name of Applicant : <b>1)INCIGHTS MOBILE SOLUTIONS PVT. LTD.</b> Address of Applicant :D-197, STREET NO. 8, LAXMI NAGAR, NEW DELHI-110092. India
(31) Priority Document No	:NA	<b>2)VINAY MODI</b>
(32) Priority Date	:NA	<b>3)VARUN CHANDRA</b>
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)VINAY MODI</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a system and method by which data exchange and analytics can be built over communication channels in general and Interactive Voice Response Systems (IVRS) in specific. IVR systems are available commonly for variety of purposes such as banking transaction, railway inquiry, complaint registration, automated appointment and so on. There is no logic built inside these systems to differentiate or identify the similarity of the input and output of the data. This nature makes these IVR systems unintelligent. The data collected by these IVR systems doesnt carry the essential meta data associated with it (that is the semantics of the data) and because of this, IVR generated data is not interoperable. This invention provides a new type of machines where an intelligence layer is built into the IVR systems for interoperability of the services and adds very high commercial as well as personal benefits to its users.

No. of Pages : 8 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.1031/DEL/2010 A

(19) INDIA

(22) Date of filing of Application :29/04/2010

(43) Publication Date : 31/05/2013

(54) Title of the invention : APPARATUS FOR PERFORMING MULTIMEDIA-BASED DATA TRANSMISSION AND ASSOCIATED METHOD

(51) International classification	:H04N
(31) Priority Document No	:12/635,712
(32) Priority Date	:11/12/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)MEDIATEK INC.**

Address of Applicant :No. 1 Dusing Rd. 1st Science-Based Industrial Park Hsin-Chu R.O.C. Taiwan

(72)**Name of Inventor :**

**1)Chih-Ming Fu**

**2)Yu-Pao Tsai**

(57) Abstract :

An apparatus for performing multimedia-based data transmission includes an image capturing device and a processing circuit. The image capturing device is a peripheral device for a user to capture images. In addition, in a situation where the apparatus is utilized as a target apparatus, the image capturing device is arranged to capture at least one multi-dimensional barcode image carrying data. Additionally, the processing circuit is arranged to control operations of the apparatus, wherein in the situation where the apparatus is utilized as the target apparatus, the processing circuit is arranged to extract the data carried by the multi-dimensional barcode image for further use. In particular, the aforementioned at least one multi-dimensional barcode image may represent a plurality of multi-dimensional barcode images. An associated method is also provided.

No. of Pages : 24 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3381/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : TRICYCLIC COMPOUNDS AND SYNTHESIS THEREOF.

(51) International classification	:C07D	(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 :ANUSANDHAN 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)DUMBALA SRINIVASA REDDY</b>
(61) Patent of Addition to Application Number	:NA	<b>2)GAJANAN NARAYAN RAUT</b>
Filing Date	:NA	<b>3)SIVA SWAROOP PANDRANGI</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the first time synthetic processes for preparation of Diaportheone B an anti-tubercular agent isolated from endophytic fungus Diaporthe sp.P133. Several closed analogues of Diaportheone B having anti-tubercular potential and their processes are described herein.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3382/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : MAGNETICALLY RECOVERABLE HIGH SURFACE AREA MOF BASED SYNTHESIS OF CARBON BASED NANOCOMPOSITE

(51) International classification	:G01K	(71)Name of Applicant :
(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 :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)ABHIK BANERJEE</b>
(61) Patent of Addition to Application Number	:NA	<b>2)SATISHCHANDRA BALKRISHNA OGALE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to magnetically recoverable High surface area carbon based composite by thermolysis of metal organic framework useful for recovery of oil, dyes and pollutants.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3383/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : AN FORMULATION FOR A CARBONATED BEVERAGE HAVING ANTIOXIDANTS OF GINGER AND TURMERIC

(51) International classification	:C07D	(71)Name of Applicant :
(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 :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI-110001, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)I. RAHATH KUBRA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)L. JAGAN MOHAN RAO</b>
Filing Date	:NA	<b>3)K. RAMALAKSHMI</b>
(62) Divisional to Application Number	:NA	<b>4)PUSHPA S. MURTHY</b>
Filing Date	:NA	<b>5)AMUDHA SENTHIL</b>

(57) Abstract :

The present invention provides a formulation for a carbonated beverage comprising of antioxidants from ginger and turmeric extracts in water-dispersible form along with appropriate sweetener and other permitted additives in suitable proportions resulting in good sensorial properties. The beverage composition exhibits health promoting properties since the beverage contains volatile and non-volatiles of fresh/dry ginger as well as the water-soluble turmeric formulation. Further, the prepared beverage remains stable for a period of 3 months when stored at refrigerated conditions.

No. of Pages : 28 No. of Claims : 12

(54) Title of the invention : METHOD AND SYSTEM FOR DETERMINING SECURE ACCESS TO SPECIFIC WEB PAGES IN A WEB SERVER

(51) International classification	:G06M	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)RARENDRA PRATAP SINGH</b>
(32) Priority Date	:NA	Address of Applicant :301 SAPPHIRE COURT, ESSEL
(33) Name of priority country	:NA	TOWERS, GURGAON - 122002, HARYANA, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)RARENDRA PRATAP SINGH</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The various embodiments of the present invention provide a method and system for determining secure access to specific web pages in a web server. According to an embodiment of the present invention, the user using a web client logs in to a web application that is hosted on the web server with a valid credential. On successful authentication a web session is created comprising of a list of web page links that are accessible by the current web client user. The first page which the valid web client user is redirected to after successful login is registered in the web server as accessible to the valid web client user and any redirections from the accessible web page are also registered in the web server as accessible to the valid web client user by checking the web page id and the web page name in the current web session. FIG. 1 is selected.

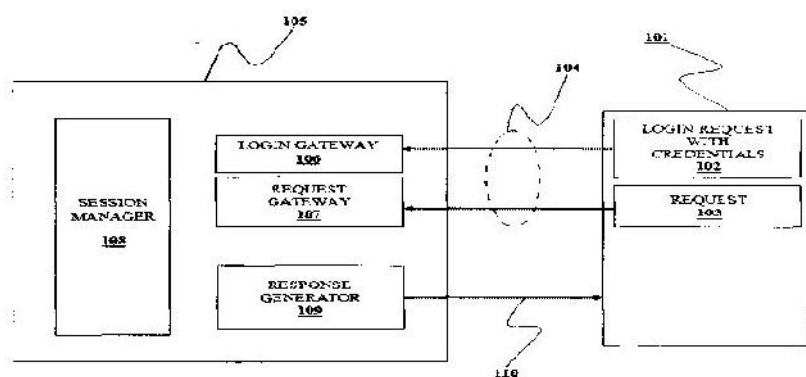


FIG. 1

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3011/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : FATTY IMIDAZOLINES AS POTENTIAL ANTI-MICROBIAL AND CHEMOTHERAPEUTIC AGENTS

(51) International classification	:F16D	(71)Name of Applicant :
(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 :ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	<b>1)MALLAMPALLI SRI LAKSHMI KARUNA</b>
(61) Patent of Addition to Application Number	:NA	<b>2)TENNETI SATYAVANI</b>
Filing Date	:NA	<b>3)CHITYAL GANESH KUMAR</b>
(62) Divisional to Application Number	:NA	<b>4)POMBALA SUJITHA</b>
Filing Date	:NA	<b>5)RACHAPUDI BADARI NARAYANA PRASAD</b>

(57) Abstract :

The present invention describes the preparation of fatty imidazolines using a facile, rapid and environmentally green microwave assisted reaction. The imidazolines were prepared using fatty acids like octyl, dodecyl, tetradecyl and octadecyl acids; mixed fatty acids prepared from Sterculia foetida oil (containing cyclopropene-rich fatty acids), coconut oil (containing medium chain-rich fatty acids), sunflower oil (containing unsaturated-rich fatty acids) and palm oil (containing saturated-rich fatty acids) by reacting with diethylene triamine (DETA) in the presence of calcium oxide. Fatty imidazolines were evaluated for anti-microbial activity and exhibited good to excellent anti-Candida activity against different Candida strains as compared to Fluconazole as standard. The fatty imidazolines also exhibited excellent to moderate anti-bacterial activity. Imidazolines were also evaluated for anti-cancer activity against different cancer cell lines like HeLa, A549, MDA-MB-231, MCF7 and Neuro2a which showed excellent cytotoxicity for dodecyl, tetradecyl and coco-based imidazolines followed by Sterculia foetida fatty imidazolines. Palm oil exhibited activity towards A549, HeLa and MCF-7, while sunflower oil towards A549 and Neuro2a.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3384/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR VOICE SERVICES CONTENT REGISTRATION, ORGANISATION SEARCH AND RETRIEVAL

(51) International classification	:G11C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)MUKHERJEE SAMBHU NATH</b>
(32) Priority Date	:NA	Address of Applicant :A 382, GROUND FLOOR,
(33) Name of priority country	:NA	DEFENCE COLONY, NEW DELHI 110024 India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MUKHERJEE SAMBHU NATH</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 generally relates to an improved voice based telecommunication system. In particular the invention relates to a voice based system in order to facilitate voice content registration, organisation and retrieval in voice communication network hierarchy.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3386/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A SYSTEM AND METHOD FOR TRUST LEVEL MANAGEMENT PROTOCOL IN VOICE BASED SERVICE TRANSACTION

(51) International classification	:G11C	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)MUKHERJEE SAMBHU NATH</b>
(32) Priority Date	:NA	Address of Applicant :A 382, GROUND FLOOR,
(33) Name of priority country	:NA	DEFENCE COLONY, NEW DELHI 110024 India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)MUKHERJEE SAMBHU NATH</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 method and system for authentication, authorization, accounting and auditing in public and private communication network. In particular, the present invention relates to the Trust Level Management in Voice Based Services Transactions in Public Communication Network to analyze a consumer's information to verify user identity.

No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3391/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYNTHESIS OF GOLD AND SILVER NANOCRYSTALLINE FILMS USING SPRAY PYROLYSIS TECHNIQUES

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN INSTITUTE OF TECHNOLOGY DELHI</b>
(32) Priority Date	:NA	Address of Applicant :HAUZ KHAS, NEW DELHI-110
(33) Name of priority country	:NA	016, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)DUTTA, VIRESH</b>
(87) International Publication No	:NA	<b>2)KRISHNA, VAMSI K</b>
(61) Patent of Addition to Application Number	:NA	<b>3)KUMAR, NEETESH</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the method of fabricating nanoparticulate films of gold (au) and Silver (Ag) by spray pyrolysis technique and also tuning of surface plasmon resonance peaks. The method involves the atomization of solution containing the appropriate metal salt for making a nanoparticulate film. The nanoparticulate film formation takes place onto a heated substrate upon thermal decomposition of salt and the volatile non-constituent elements related to the salt are removed along with the solvent. The size and distribution of isolated nanoparticles in films are controlled by simply changing the spray deposition parameters.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3433/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : DYNAMICALLY ENTERING LOW POWER STATES DURING ACTIVE WORKLOADS

(51) International classification

:G05G

(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)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BLVD.,  
M/S: RNB4-150, SANTA CLARA, CALIFORNIA 95052,  
UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)WANG, REN**

**2)FLEMING, BRUCE, L.**

**3) TSAI, JR-SHIAN**

**4)MURALIDHAR, RAJEEV, D.**

**5)SESHADRI, HARINARAYANAN**

**6)TAI, TSUNG-YUAN, C.**

**7)ERGIN, MESUT, A.**

**8)IYER, PRAKASH, N.**

(57) Abstract :

Systems and methods may provide for identifying runtime information associated with an active workload of a platform, and making an active idle state determination for the platform based on at least in part the runtime information. In addition, a low power state of a shared resource on the platform may be controlled concurrently with an execution of the active workload based on at least in part the active idle state determination.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3434/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : 'POWER MANAGEMENT USING RELATIVE ENERGY BREAK-EVEN TIME

(51) International classification

:G05G

(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)INTEL CORPORATION**

Address of Applicant :2200 MISSION COLLEGE BLVD.,  
M/S: RNB 4-150, SANTA CLARA, CALIFORNIA 95052,  
UNITED STATES OF AMERICA

(72)Name of Inventor :

**1)WANG, REN**

**2)MACIOCCO, CHRISTIAN**

**3)TSAI, JR-SHIAN**

**4)MURALIDHAR, RAJEEV, D.**

**5)SESHADRI, HARINARAYANAN**

**6)TAI, TSUNG-YUAN, C.**

**7)ERGIN, MESUT, A.**

**8)MIN, ALEXANDER, W.**

(57) Abstract :

Systems and methods may provide for determining an absolute energy break-even time for a first low power state with respect to a current state of a system. A relative energy break-even time may also be determined for the first low power state with respect to a second low power state based on at least in part the absolute energy break-even time. In addition, an operating state may be selected for the system based on at least in part the relative energy break-even time.

No. of Pages : 21 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3443/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : AMLAZ-L

(51) International classification	:A63D
(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)VIKAS KHANDELWAL**

Address of Applicant :237 AWHO COLONY AMBABARI

JAIPUR Rajasthan India

(72)Name of Inventor :

**1)VIKAS KHANDELWAL**

(57) Abstract :

This is the carbonated drink and non-carbonated drink which is made up of amla and lemon both the fruits are good for health . No side effects has been found if it is used in recommended quantity . Juice of lemon and amla will be mix in the water and the carbonated or without carbonation process will be pack.

No. of Pages : 4 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3444/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A NEWTROCAR CANNULA SYSTEM FOR MICRO INCISION VITREOUS SURGERY

(51) International classification	:A63D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)DR. AJAY AURORA</b>
(32) Priority Date	:NA	Address of Applicant :C-75 SECTOR 39 NOIDA 201303
(33) Name of priority country	:NA	Uttar Pradesh India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)DR. AJAY AURORA</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 :

Vitreous surgery became a reality in 1971 when Robert Machemer, described pars plana vitrectomy. Pars Plana Vitrectomy involves making openings in the sclera (white of the eye), going behind the human lens and operating with certain handheld instruments on Vitreous Gel and Retina. Till year 2000 the openings used were of 20 Gauge size ( 0.90mm or 0.03575inch). In 2002, Eugene de Juan, introduced 25-Gauge (0.51mm or 0.02025inch) sutureless vitrectomy. In 2005 Claus Eckardt, developed a similar technique, but with 23G (0.641mm or 0.0252inch) instrumentation. This has become popular and is becoming the current preferred technique worldwide. The key to both 23 and 25 gauges MIVS is the nearly self-sealing incision in the sclera. This opening in the sclera is made with specially designed trocar-cannula blade system. Previously these trocar- cannula system followed a two step technique which was popularized by DORC ( Dutch Ophthalmic Research Center International BV, Netherlands) or a single step technique as popularized by ALCON Laboratories, Fort Worth /Texas. Most surgeons now prefer the single step technique for MIVS. Most of the Trocar cannula systems available in the market are disposable and are supplied as a set of three Trocar-cannula. The Alcon Labs has stopped marketing it's Trocar-cannula as a stand alone pack, but is available as a comprehensive Total plus Pack that costs about Rs 16,000.Other companies supplying single step Trocar-Cannula systems bill it at Rs 3500 onwards. I have attached Photo of the most commonly available single step Trocar-cannula in the market

No. of Pages : 6 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3446/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : POWER BACKUP SYSTEM WITH EFFECTIVE ENERGY MANAGEMENT AND UTILIZATION

(51) International classification	:A63D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)SU-KAM POWER SYETEMS LTD</b>
(32) Priority Date	:NA	Address of Applicant :306, KIRTI DEEP BUILDING, NEW
(33) Name of priority country	:NA	DELHI India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KUNWER SACHDEV</b>
(87) International Publication No	:NA	<b>2)SANJEEV KUMAR SAINI</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a power backup system with multiple input power sources and the management of these input power sources for efficient electricity generation and utilization of energy generated in most economical way. The backup system comprises at least a sensing, instrumentation & data mining/ processing/ retrieval unit which senses/analyses the input source such as but not limited to the renewable energy sources, solar availability, environmental data, historic data base, mains electricity and energy storage device status/ conditions or any other such kind. The system manages the input sources. The input priority protocol allows the backup system to prioritize the different applications for power management and its utilization in economic way. The system monitors the battery charge level, power generation, power consumption level or any other parameter.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3405/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : CRYSTALLINE FORMS OF CABAZITAXEL AND PROCESS FOR PREPARATION THEREOF

(51) International classification

:C07K

(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)FRESENIUS KABI ONCOLOGY LTD.**

Address of Applicant :B- 310, SOM DATT CHAMBERS -  
I, BHIKAJI CAMA PLACE, NEW DELHI - 110 066, INDIA

(72)Name of Inventor :

**1)LAHIRI, SASWATA**

**2)SRIVASTAVA, RAJESH**

**3)MISHRA, BHUWAN BHASKAR**

**4)SHARMA, SHATRUGHAN**

**5)OJHA, VIJAY**

**6)PANDA, NILENDU**

**7)KUMAR, SANDEEP**

**8)PRASAD, SONU**

(57) Abstract :

The present invention relates to the Crystalline Forms of 4-acetoxy-2a-benzoyloxy-5-20-epoxy-1 -hydroxy-7, 10-dimethoxy-9-oxotan-11 -en-13 -yl(2R,3S)-3-tert-butoxycarbonylamino-2-hydroxy-3-phenylpropionate, i.e Cabazitaxel, methods for its preparation and Pharmaceutical composition thereof.

No. of Pages : 59 No. of Claims : 80



(12) PATENT APPLICATION PUBLICATION

(21) Application No.3406/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :28/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : NOVEL INTERMEDIATES AND PROCESS FOR THE PREPARATION OF LAPATINIB AND ITS PHARMACEUTICALLY ACCEPTABLE SALTS

(51) International classification	:C07K	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)FRESENIUS KABI ONCOLOGY LTD.</b>
(32) Priority Date	:NA	Address of Applicant :B-310, SOM DATT CHAMBERS - I,
(33) Name of priority country	:NA	BHIKAJI CAMA PLACE, NEW DELHI -110 066, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)LAHIRI, SASWATA</b>
(87) International Publication No	:NA	<b>2)GUPTA, NITIN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SINGH, HEMANT KUMAR</b>
Filing Date	:NA	<b>4)HANDA, VISHAL</b>
(62) Divisional to Application Number	:NA	<b>5)SANGHANI, SUNIL</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to novel intermediates and its use in the preparation of Lapatinib and its pharmaceutically acceptable salts thereof. The present invention also relates to a novel process for the synthesis of Lapatinib and its pharmaceutically acceptable salts thereof. In particular, the present invention relates to a novel process for the manufacture of Lapatinib ditosylate employing novel intermediates.

No. of Pages : 26 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3436/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR DETECTING INCORRECT FILLING OF A TANK FOR AN AQUEOUS UREA SOLUTION

(51) International classification	:G05G	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)CONTINENTAL AUTOMOTIVE GMBH</b>
(32) Priority Date	:NA	Address of Applicant :VAHRENWALDER STRAE 9,
(33) Name of priority country	:NA	30165 HANNOVER, GERMANY
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)KATCHAPESWARAN, GANAPATHY KRISHNAN</b>
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for detecting incorrect filling of a tank for an aqueous urea solution including the following steps: Measuring a temperature of a fluid in the tank, heating of the fluid in the tank, determining a value representing a rate of temperature change of the fluid in the tank, comparing the value to a reference value.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3440/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A COMPUTING MECHANISM FOR AUTOMATION OF RAPID THERMAL ANNEAL OF SEMICONDUCTOR

(51) International classification	:A63D	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR</b>
(32) Priority Date	:NA	Address of Applicant :KANPUR-208016, UTTAR
(33) Name of priority country	:NA	PRADESH, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	<b>1)TATHAGATA BHOWMICK</b>
(87) International Publication No	:NA	<b>2)UTPAL DAS</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a computing mechanism for automation of rapid thermal anneal of semiconductor comprising of a computing mechanism, which is fed with material parameters and RTA system parameters to control the RTA system for achieving a predetermined refractive indices (nr) and absorption co-efficients (a) of intermixed MQW structure. The present invention eradicates the computational complexity involved with changing material composition and RTA parameters to austere reduce man hours involved in QWI process. A fast and accurate technique has been employed to incorporate variation in the material compositions targeted for QWI to control the RTI system. This allows an. easy operation of the RTA system for specific QWI over a wide range of compound semiconductor materials.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3441/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : AMLAZ-G

(51) International classification	:A63D
(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)VIKAS KHANDELWAL**

Address of Applicant :237 AWHO COLONY AMBABARI  
JAIPUR Rajasthan India

(72)Name of Inventor :

**1)VIKAS KHANDELWAL**

(57) Abstract :

This is the carbonated drink and non-carbonated drink which is made up of amla and Ginger both the fruits are good for health .  
No side effects has been found if it is used in recommended quantity . Juice of Ginger and Amla will be mix in the water and the  
carbonated or without carbonation process will be pack.

No. of Pages : 4 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3442/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : AMLAZ

(51) International classification	:A63D	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)VIKAS KHANDELWAL</b>
(32) Priority Date	:NA	Address of Applicant :237 AWHO COLONY AMBABARI
(33) Name of priority country	:NA	JAIPUR 302013 Rajasthan India
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)VIKAS KHANDELWAL</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 is the carbonated drink and non-carbonated drink which is made up of amla and lemon and ginger the fruits are good for health . No side effects has been found if it is used in recommended quantity. Juice of lemon,ginger and amla will be mix in the water and the carbonated or without carbonation process will be pack.

No. of Pages : 4 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3449/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : Novel Parenteral Controlled Release Formulation of NSAIDs

(51) International classification	:H01R	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:NA	<b>1)Manu Chaudhary</b>
(32) Priority Date	:NA	Address of Applicant :a. Plot No. 51-52 Industrial area
(33) Name of priority country	:NA	phase-1 Panchkula Haryana (INDIA)
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Manu Chaudhary</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 controlled release parenteral formulation for treatment of pain and inflammation is provided. The formulation includes an effective amount of: one or more active drug moiety. The drug moiety is selected from a group comprising aceclofenac or diclofenac or a combination thereof; One or more solvent moiety selected from a group comprising one or more of ethyl acetate triacetin di methyl iso sorbide DMA DMSO PEG PVP PVA Span 80 DCM Benzyl alcohol acetone or a combination thereof. The formulation upon administration has a release profile including an immediate burst release and the burst release is followed by a slow release of at least 18 to 24 hrs. The immediate burst release and the slow release of the drug moiety remains within the therapeutic window of the drug moiety.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.3452/DEL/2011 A

(19) INDIA

(22) Date of filing of Application :30/11/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : Management of Security Associations in a Communication Session

(51) International classification	:H04L	(71) <b>Name of Applicant :</b>
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(33) Name of priority country	:NA	Park Sector-39 Gurgaon Haryana- 122002 India.
(86) International Application No	:NA	(72) <b>Name of Inventor :</b>
Filing Date	:NA	<b>1)Syed Ajim Hussain</b>
(87) International Publication No	: NA	<b>2)Giriraj G S</b>
(61) Patent of Addition to Application Number	:NA	<b>3)Sumit Agarwal</b>
Filing Date	:NA	<b>4)Vivek A.</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to management of security associations over a communication network particularly in an IPSEC protocol. Some embodiments of the present disclosure illustrate a system for managing security associations over a communication network. Such a system comprises a session allocation unit and a plurality of session processing units coupled to the session allocation unit. The session allocation unit may be configured to allocate an incoming IKE/data packet to one of the session processing unit based on current processing load at initiation of a session and to a previously allocated session processing unit for a continuing session. The session allocation unit may be configured further to identify the previously allocated session processing unit using a session processing index contained in the incoming IKE/data packet.

No. of Pages : 22 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1770/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD

(51) International classification :H04W36/04  
(31) Priority Document No :2009-189598  
(32) Priority Date :18/08/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/063603  
Filing Date :11/08/2010  
(87) International Publication No :WO 2011/021547  
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)TAKAHASHI, HIDEAKI**  
**3)UMESH, ANIL**  
**4)IWAMURA, MIKIO**  
**5)ISHII, MINAMI**  
**6)OKAMOTO, TAKESHI**

(57) Abstract :

(Disclosed is a mobile communication method including: a step in which an exchange station (MME) manages access information specifying a CSG-ID which allows access by a mobile station (UE); a step in which the exchange station (MME) acquires a combination of the CSG-ID and eNB-ID of a wireless base station (HeNB2) from a gateway device (HeNB-GW); and a step in which the exchange station (MME) determines whether or not access to the wireless base station (HeNB2) by the mobile station (UE) is possible, by referring to the access information and said combination, using the identification information of the mobile station (UE) and the eNB-ID of the wireless base station (HeNB2) contained in OHO required received from the wireless base station (eNB).

No. of Pages : 46 No. of Claims : 2



(12) PATENT APPLICATION PUBLICATION

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

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR AUGMENTED SOCIAL NETWORKING MESSAGING

(51) International classification :G06Q50/00

(31) Priority Document No :12/552,095

(32) Priority Date :01/09/2009

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

(86) International Application No :PCT/FI2010/050486

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

(71)Name of Applicant :

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Finland

(72)Name of Inventor :

**1)James Reilly**

**2)Toni Strandell**

**3)Jyri Salomaa**

**4)Jan Blom**

**5)Ari Aarnio**

(57) Abstract :

An approach is provided for augmented social networking messaging. A message is generated for posting to a social networking service. Address information is determined for a group of one or more devices associated with one or more users. At least one of the one or more users is a non-subscriber to the social networking service. The addressing information is used to send the message to the group. A reply to the message is received from one of the devices of the group. Posting of the reply to the social networking service is initiated.

No. of Pages : 39 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.22/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : SHIFT REGISTER, DISPLAY-DRIVING CIRCUIT, DISPLAYING PANEL, AND DISPLAYING DEVICE

(51) International classification :G09G3/36  
(31) Priority Document No :2009-144749  
(32) Priority Date :17/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/001972  
Filing Date :18/03/2010  
(87) International Publication No :WO 2010/146753  
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)HIROYUKI OHKAWA**  
**2)YASUSHI SASAKI**  
**3)YUHICHIROH MURAKAMI**  
**4)SHIGE FURUTA**  
**5)MAKOTO YOKOYAMA**

(57) Abstract :

Disclosed is a shift register for use in a display driving circuit that simultaneously selects signal lines, including, in a stage thereof: a flip-flop (FF) including an initialization terminal (INITB); and a signal generating circuit that receives a simultaneous selection signal (AONB signal) and that generates an output signal (OUTB) of the stage by use of an output (Q, QB) of the flip-flop, wherein: the output signal (OUTB) of the stage becomes active due to an activation of the simultaneous selection signal so as to be active during a period of the simultaneous selection; the output (Q, QB) of the flip-flop (FF) is non-active while the initialization terminal (INITB), a set terminal (SB), and a reset terminal (R) of the flip-flop; and the initialization terminal (INITB) of the flip-flop receives the simultaneous selection signal (AONB signal). This shift register makes it possible to downsize various drivers.

No. of Pages : 84 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2203/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : BASE STATION, METHOD AND COMPUTER PROGRAM PRODUCT

(51) International classification :H04W16/08  
(31) Priority Document No :09360041.9  
(32) Priority Date :10/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/004585  
Filing Date :22/07/2010  
(87) International Publication No :WO 2011/029497  
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)ASHRAF, IMRAN**

**2)CLAUSSEN, HOLGER**

(57) Abstract :

A base station, a method and a computer program product are disclosed. The base station is operable, in concert with other base stations within a group, to support wireless communications with user equipment. The base station comprises: transmission logic operable to generate a cell having a coverage area supporting wireless communications with user equipment; reception logic operable to receive load information indicative of a user equipment communications load experienced by base stations within said group; and coverage area adjustment logic operable to determine changes required to said coverage area to change a user equipment communications load experienced by at least one base station within said group. In this way, it can be seen that each base station within the group may receive information about the user loading on other base stations within that group and is able to adjust its coverage area to cause that communications loading to be rebalanced to enable efficient use of resources and optimise the overall performance of each of the base stations within the group. The group of base stations with co-ordinated and optimised coverage can achieve higher end user data rates and improved quality of service than would otherwise be possible.

No. of Pages : 34 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2204/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : TELECOMMUNICATIONS NETWORK NODE AND METHODS

(51) International classification :H04W52/34  
(31) Priority Document No :09360042.7  
(32) Priority Date :10/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/004750  
Filing Date :03/08/2010  
(87) International Publication No :WO 2011/029503  
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 :3, AVENUE OCTAVE GREARD, F-75007 PARIS France  
(72)**Name of Inventor :**  
**1)HO, LESTER, T.W.**  
**2)CLAUSSEN, HOLGER**

(57) Abstract :

A telecommunications network node and methods are disclosed. The method is for generating, by genetic programming, evolved algorithms for adjusting base station transmission power to control coverage of a cell to assist in providing desired base station operating characteristics. The method comprises the steps of: generating, using predetermined functions and terminals defined in a functions and terminals list, a plurality of evolved algorithms each of which determine whether, for any particular base station operating conditions, to adjust said base station transmission power; determining a fitness level indicative of each evolved algorithm's ability to adjust base station transmission power to control coverage to achieve said desired base station operating characteristics under expected operating conditions; and iteratively performing said steps of generating and determining to generate further evolved algorithms using at least one of said evolved algorithms determined to have achieved a particular fitness level. In this way, it can be seen that algorithms can be assembled and then tested to see how suitable they are at controlling base station power to achieve particular operating characteristics under particular operating conditions. Those algorithms which are determined to be the best at achieving those characteristics under those particular operating conditions may then be used to generate further algorithms which, in turn, are also then assessed. Hence, those individual algorithms which are suited to the operating characteristics and the operating conditions can rapidly be generated thereby avoiding the need to manually design new algorithms which are specialised to particular environments.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2294/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :13/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD FOR CONTROL OF A GEARBOX

(51) International classification	:F16H61/02
(31) Priority Document No	:0901182-6
(32) Priority Date	:14/09/2009
(33) Name of priority country	:Sweden
(86) International Application No	:PCT/SE2010/050981
Filing Date	:14/09/2010
(87) International Publication No	:WO 2011/031230
	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)FREDRIK SWARTLING**

**2)MIKAEL WAGBERG**

(57) Abstract :

The present invention relates to a system for control of a gearbox, comprising at least one control unit intended to control said gearbox in a motor vehicle provided with an engine connected to, in order to drive, said gearbox, such that said system is adapted to effecting a downshift in said gearbox from a first gear for which said vehicle's acceleration  $a$  is negative to a second gear for which the acceleration  $a$  is positive or zero, said downshift involves at least one intermediate gear step between said first and second gears, and the highest engine speed at each intermediate gear step is as -high as, or higher than, the highest engine speed at preceding intermediate gear steps. The invention relates also to a method, a motor vehicle, a computer programme and a computer programme product thereof

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2342/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :14/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : IMPROVED GRIPPER FOR COILED TUBING INJECTORS

(51) International classification :F16B21/02  
(31) Priority Document No :12/550,067  
(32) Priority Date :28/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/046956  
Filing Date :27/08/2010  
(87) International Publication No :WO 2011/025941 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)MASCHEK JR., JOHNNIE B.**  
**2)LAMMONS, CARL STEPHEN**

(57) Abstract :

The current invention relates to an improved gripper for use within a coiled tubing injector unit. The improved gripper comprises a carrier for securing the gripper to the chain drive mechanism of the coiled tubing injector unit and a gripping shoe carried by the carrier. The improved gripper provides a carrier and a gripping shoe designed to permit quick and easy removal and replacement of the gripping shoe in the field during operation of the coiled tubing injector unit.

No. of Pages : 25 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2379/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : MULTI-FACTOR PROMOTIONAL OFFER SUGGESTION

(51) International classification :G06Q30/00  
(31) Priority Document No :12/750,633  
(32) Priority Date :30/03/2010  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/029440  
Filing Date :31/03/2010  
(87) International Publication No :WO 2011/123118 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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**2)NABI, AYZAZ**

**3)ROSS, BEN**

**4)BOSE, ABHIJIT, S.**

**5)K, MANOJ**

**6)KUMAR, MANISH**

**7)GUPTA, HIMANSHU**

**8)SHAH, MANISH, R.**

**9)DUTT, BALA**

**10)NAVADA, HARSHA, K.**

(57) Abstract :

The invention relates to a method to send a promotional offer from a business entity. The method steps include obtaining a profile of the business entity from a financial management application (FMA) executing on a central processing unit (CPU) and configured to manage operations of the business entity, analyzing a plurality of messages from a message source based on a predetermined criterion to identify a keyword, qualifying the keyword to generate a qualified keyword with a keyword rating, wherein the keyword rating represents how relevant the keyword is to the business entity based on the profile of the business entity, searching for the qualified keyword in the promotional offer among a plurality of promotional offers in a library to generate a match between the qualified keyword and the promotional offer, adjusting a score of the promotional offer, in response to generating the match, based on the keyword rating, and sending the promotional offer to a consumer based on the score.

No. of Pages : 39 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2424/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : LIQUID METAL THERMAL STORAGE SYSTEM

(51) International classification :F03G6/04  
(31) Priority Document No :61/276,269  
(32) Priority Date :10/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/048312  
Filing Date :09/09/2010  
(87) International Publication No :WO 2011/031894 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)HUNT, ARLON J.**

(57) Abstract :

Embodiments of this invention relate generally to high temperature thermal energy storage, and more specifically, to the use of the latent heat of fusion of melting and solidifying metals to receive from and provide heat to a gaseous medium. Embodiments of this invention are also known as the Liquid Metal Thermal Storage system or LIMETS. Also described are methods of containing the storage material, heat transfer means, and choices of metals and alloys for thermal storage materials.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2472/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : GLYCINE COMPOUND

(51) International classification :C07C237/04  
(31) Priority Document No :2009-214991  
(32) Priority Date :16/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/065918  
Filing Date :15/09/2010  
(87) International Publication No :WO 2011/034078  
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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**3)YAMAKI, SUSUMU**  
**4)KOGA, YUJI**  
**5)SEKI, NORIO**  
**6)FUJIYASU, JIRO**

(57) Abstract :

The present invention provides a compound which is useful as an active ingredient of a pharmaceutical composition, in particular, a pharmaceutical composition for preventing and/or treating VAP-1-related diseases. [Means for Solution] The present inventors have conducted intensive studies on a compound having a VAP-1 inhibitory activity, and as a result, they have found that a compound of the present invention or a salt thereof exhibits an excellent VAP-1 inhibitory activity and is useful for preventing and/or treating VAP-1-related diseases, in particular, diabetic nephropathy or diabetic macular edema, thereby completing the present invention. The present invention further relates to a pharmaceutical composition, in particular, a pharmaceutical composition for preventing and/or treating VAP-1-related diseases, which comprises the compound of the present invention or a salt thereof, and an excipient.

No. of Pages : 255 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2492/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR GENERATING VOCABULARY FROM NETWORK DATA

(51) International classification :G06F17/21  
(31) Priority Document No :12/571,390  
(32) Priority Date :30/09/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/050762  
Filing Date :29/09/2010  
(87) International Publication No :WO 2011/041443 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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**3)MIHAILOVICI, VIRGIL N.**

**4)MALEGAOKAR, ASHUTOSH A.**

**5)POSSE, CHRISTIAN**

**6)SAMBHUS, SONALI M.**

**7)WALIA, NITASHA**

**8)ZHANG, KUI**

(57) Abstract :

A method is provided in one example and includes receiving data propagating in a network environment and separating the data into one or more fields. At least some of the fields are evaluated in order to identify nouns and noun phrases within the fields. The method also includes identifying selected words within the nouns and noun phrases based on a white list and a blacklist. The white list includes a plurality of designated words to be tagged and the blacklist includes a plurality of rejected words that are not to be tagged. A resultant composite is generated for the selected nouns and noun phrases that are tagged. The resultant composite is incorporated into the white list if the resultant composite is approved.

No. of Pages : 27 No. of Claims : 29

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2586/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : MONOBLOC PISTON WITH A LOW FRICTION SKIRT

(51) International classification	:F16J1/04	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/237,472	<b>1)FEDERAL-MOGUL CORPORATION</b>
(32) Priority Date	:27/08/2009	Address of Applicant :26555 NORTHWESTERN
(33) Name of priority country	:U.S.A.	HIGHWAY, SOUTHFIELD, MI 48033 U.S.A.
(86) International Application No	:PCT/US2010/046896	(72) <b>Name of Inventor :</b>
Filing Date	:27/08/2010	<b>1)SCHNEIDER, NORBERT</b>
(87) International Publication No	:WO 2011/031535 A2	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A piston for an internal combustion engine has an upper crown portion with a pair of pin bosses depending therefrom, wherein the pin bosses have pin bores axially aligned along a central pin bore axis. A pair of laterally spaced skirt portions are fixedly attached to the pin bosses and depend to a lowermost free edge. At least one of the skirt portions has a recess extending upwardly from the lowermost free edge beyond the central axis of the pin bores.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2591/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : APPARATUS AND METHOD FOR PROVIDING MULTICAST SERVICE IN A COMMUNICATION SYSTEM

(51) International classification	:H04L29/06	(71)Name of Applicant :
(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/CN2009/001071	(72)Name of Inventor :
Filing Date	:23/09/2009	<b>1)CHAO, HUA</b>
(87) International Publication No	:WO 2011/035454 A1	<b>2)WANG, HE</b>
(61) Patent of Addition to Application Number	:NA	<b>3)HU, ZHONGJI</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for providing a multicast service in a communication system and an apparatus for implementing the method are provided in the present invention. The communication system comprises at least one user equipment and a server for providing a service to the at least one user equipment. The method comprises steps of: determining, by the server, an MBMS multicast group to provide a multicast service; transmitting, by the server, MBMS service control information required to provide an MBMS service to user equipments within the MBMS multicast group, to a BM-SC in an e-MBMS network; determining, by the BM-SC, an MBMS service area and triggering in the MBMS service area an MBMS bearer setup procedure for user equipments within the MBMS multicast group, based on the received MBMS service control information; forwarding, by the server, data to provide a service to the BM-SC; and distributing, by the BM-SC, the data to each of the user equipments within, the MBMS multicast group, via the set up MBMS bearer. The method according to the present invention enables to perform multicast within an MBMS multicast group in case that the multicast is not supported by a radio network.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2593/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :21/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : RELIABILITY CALCULATION FOR SUBSTATION AUTOMATION SYSTEMS

(51) International classification :G05B23/02  
(31) Priority Document No :09171343.8  
(32) Priority Date :25/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/063363  
Filing Date :13/09/2010  
(87) International Publication No :WO 2011/036067  
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)FREI, CHRISTIAN**  
**2)TOURNIER, JEAN-CHARLES**  
**3)WERNER, THOMAS**  
**4)WIMMER, WOLFGANG**

(57) Abstract :

The present invention automatically extracts, to a maximum extent, reliability-relevant information from a Substation Configuration Description (SCD) file describing a electric power transmission or distribution substation. In particular, the information present in the SCD file is used to identify the physical topology of a communication network of the Substation Automation (SA) system, as well as all dataflow relating to a given SA functionality or Logical Node (LN). An LN reliability measure for the latter is calculated, involving reliability indications specific to each element or device participating in said dataflow. Finally, a number of LN reliability measures are consolidated to produce an overall reliability for the SA system architecture or communication network topology considered. The proposed invention minimizes the engineering effort required to perform a reliability calculation, and thus allows comparing the reliability of different SA architectures with minimal effort and intervention of a reliability engineer.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2638/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : USE OF 1,3-DIOLS AS BIOCIDES

(51) International classification	:A61K8/34
(31) Priority Document No	:09168700.4
(32) Priority Date	:26/08/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/061897
Filing Date	:16/08/2010
(87) International Publication No	:WO 2011/023582
	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)MIJOLOVIC, DARJO**

**2)WENDEL, VOLKER**

**3)SUCKERT, ANJA**

(57) Abstract :

Use of a diol as biocidal active ingredient, wherein it is a diol of the formula I in which R1 and R2, independently of one another, are an organic radical having in each case at least one carbon atom, or R1 and R2 together form a ring system of at least 4 carbon atoms, which may be optionally substituted (referred to hereinbelow in summary for short as 1,3-diol).

No. of Pages : 40 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2723/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : A CRUSHER BUCKET FOR A SELF- PROPELLED VEHICLE

(51) International classification :E02F3/40  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/IT2009/000457  
Filing Date :09/10/2009  
(87) International Publication No :WO 2011/042923  
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)AZZOLIN GUIDO**  
**2)AZZOLIN DIEGO**

(57) Abstract :

A crusher bucket (1) for crushing stone and/or similar materials comprises: - a scoop-like body (2) defining an inlet opening (4) for the stone to be crushed and an outlet aperture (5) for the crushed stone, - means for crushing the stone, the crushing means comprising a first jaw (6) -which is movable relative to the scoop-like body and a second jaw (7) which is fixed relative to the scoop-like body, - adjustment means (2) for adjusting the distance between jaws in the region of the outlet aperture, comprising a strut (23) and a plurality of spacers (26) which can be interposed as a pack between the scoop-like body and an end of the strut, - an adjustable tie (30) for clamping the strut and the spacers as a pack with a preset compression preloading; the adjustable tie as a whole is non-resilient or, alternatively, is a pneumatic actuator.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2800/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : TRANSMISSION DEVICE WITH POWER SPLITTING

(51) International classification	:F16H 47/04	(71)Name of Applicant :
(31) Priority Document No	:10 2009 045 087.4	<b>1)ZF FRIEDRICHSHAFEN AG</b>
(32) Priority Date	:29/09/2009	Address of Applicant :88038, FRIEDRICHSHAFEN
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/051550	(72)Name of Inventor :
Filing Date	:09/02/2010	<b>1)FISCHER, ROLAND</b>
(87) International Publication No	:WO 2011/038941	<b>2)SIBER, MICHAEL</b>
	A1	<b>3)MORRISON, ROBERT</b>
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A transmission device (1) with power branching is described. In the first driving range the mechanical power branch (5) transmits torque from the ring gear (25), via the fixed wheel (26), to the further fixed wheel (27). In the process a branching off from the ring gear (25) takes place. The hydrostatic power branch (3) branches off from the second sun gear (22). The hydrostatic power branch transmits power from the first hydraulic unit (10) to the second hydraulic unit (11). The first hydraulic unit (10) operates as a pump and the second hydraulic unit (11) as a motor. At one of the hydrostatic shafts (28) the mechanical power and the hydrostatic power are summed and transmitted via the fixed wheel (36) to the drive output. In the second driving range the power coming from the planetary carrier (24) is partially branched off to the ring gear (25) and transmitted via the gearwheels (26, 27) on the hydrostatic shaft (28) to the second hydraulic unit (11). From the second hydraulic unit (11) the hydraulic power is passed to the first hydraulic unit (10). In the process the first hydraulic unit (10) operates as a motor and the second hydraulic unit (11) as a pump. From the second sun gear (22) the power is then transmitted to the double planetary gear (23), where it is summed.

No. of Pages : 31 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2620/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : DEVICE AND METHOD FOR EXPRESSING HUMAN BREAST MILK

(51) International classification	:A61M1/06	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/244,636	<b>1)MEDELA HOLDING AG</b>
(32) Priority Date	:22/09/2009	Address of Applicant :LATTICHSTRASSE 4B, 6340
(33) Name of priority country	:U.S.A.	BAAR Switzerland
(86) International Application No	:PCT/CH2010/000225	(72) <b>Name of Inventor :</b>
Filing Date	:17/09/2010	<b>1)WEBER, BEDA</b>
(87) International Publication No	:WO 2011/035447 A1	<b>2)FURRER, ETIENNE</b>
(61) Patent of Addition to Application		<b>3)SCHLIENGER, ANDRE</b>
Number	:NA	<b>4)SILVER, BRIAN H.</b>
Filing Date	:NA	<b>5)WACKERLIN, DANIELA</b>
(62) Divisional to Application Number	:NA	<b>6)FELBER, ARMIN</b>
Filing Date	:NA	

(57) Abstract :

A device for expressing human breast milk has a breast shield (4) for bearing against a mother's breast, a vacuum pump (1) for generating a vacuum, a line which connects the vacuum pump (1) to the breast shield (4) and is intended for transmitting the vacuum generated to the breast shield (4), and a chamber. The line (2) ends on the pump side in a first port (130) of said chamber. According to the invention, the chamber has a second port (131) for connection to a milk collecting container (7). The two ports (130, 131) in the chamber are connected to each other in terms of fluid communication. During the expressing operation, the line (2) forms a milk line for transporting breast milk expressed in the breast shield (4) to the chamber and from the chamber to the milk collecting container (7). Said pump can be designed to be quiet and small.

No. of Pages : 35 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2668/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :23/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : DIGITAL TACHOGRAPH

(51) International classification :G07C 5/04  
(31) Priority Document No :2010-126448  
(32) Priority Date :02/06/2010  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/007261  
Filing Date :14/12/2010  
(87) International Publication No :WO 2011/151870  
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)HISHIKI, HIROKAZU**

**2)SEKI, SABURO**

(57) Abstract :

Disclosed is a digital tachograph wherein a display device displays so that a driver can. perform the driving while satisfying conditions set forth in the Labor Standards Law, and thereby, the driver can drive safely in compliance with the content of the display device, and perform the driving while satisfying the conditions set forth in the Labor Standards Law. A digital tachograph comprises a digital tachograph main body attached to a vehicle of a forwarder, a labor state calculation device connected to the digital tachograph main body to calculate labor state data, a labor standard law compliance assessment device connected to the labor state calculation device to assess whether the. labor condition of the driver of the vehicle satisfies the conditions of the Labor Standards Law on the basis of the labor state data calculated by the labor state calculation device, a storing device which stores the assessment result of the labor standard law compliance assessment device and the labor state data by the labor state calculation device, and a display device connected to the digital tachograph main body to display and notify the driver of the assessment result by the labor standard law compliance assessment device.

No. of Pages : 104 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2789/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD OF CONVERTING FEEDS FROM RENEWABLE SOURCES IN CO-PROCESSING WITH A PETROLEUM FEED USING A CATALYST BASED ON NICKEL AND MOLYBDENUM

(51) International classification :B01J 23/88  
(31) Priority Document No :09/04.162  
(32) Priority Date :02/09/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/000543  
Filing Date :27/07/2010  
(87) International Publication No :WO 2011/030009  
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)DUPASIEUX, NATHALIE**  
**2)DAUDIN, ANTOINE**  
**3)CHAPUS, THIERRY**

(57) Abstract :

The invention relates to a method of hydrotreatment in co-processing of petroleum feeds, in a mixture with at least one feed obtained from renewable sources, for producing fuel bases (kerosene and/or gas oil) having a sulphur content below 10 ppm, said method comprising the following stages: a) a first hydrotreatment stage in which said feed passes through at least one first fixed-bed catalytic zone comprising at least one bulk or supported catalyst comprising an active phase constituted by at least one group VIB element and at least one group VIII element, said elements being in the form of sulphide and the atomic ratio of the group VIII metal (or metals) to group VIB metal (or metals) being strictly greater than 0 and less than 0.095, b) a second hydrotreatment stage into which the effluent from the first hydrotreatment stage is sent directly, and in which said effluent passes through at least one second fixed-bed catalytic zone comprising at least one hydrotreatment catalyst.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2802/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : FLUID SAMPLE COLLECTION DEVICE

(51) International classification :B01L 3/00  
(31) Priority Document No :0915339.6  
(32) Priority Date :03/09/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/051435  
Filing Date :01/09/2010  
(87) International Publication No :WO 2011/027147 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)CRAWFORD, ANNE MARIE**

**3)ROSS, STEVEN ANDREW**

**4)CARTER, TIMOTHY JOSEPH NICHOLAS**

(57) Abstract :

Disclosed herein is a sample collection device for an aqueous fluid, such as whole blood, serum, plasma and urine. The device comprises a cartridge body defining an elongate sample collection passage that has open ends. The passage is arranged to draw the fluid into the passage by capillary action. The passage is provided along a portion of its length with a sample metering stop in the form of a hydrophobic coating arranged to prevent flow of the fluid by capillary action thereacross. A sample receiving portion of the passage extending between a collection end and the metering stop is non-linear, and preferably defines a pair of straight limbs connected by a bend. By providing a non-linear passage in this way, the maximum gravitational force which can act on the collected sample is reduced as compared to a conventional linear passage, thereby reducing the tendency of the sample to leak from the device and potentially avoiding the need for one or both ends of the passage to be sealed. The sample receiving portion of the passage may be provided with a hydrophilic coating to enhance the capillary action. A particularly suitable hydrophilic coating for a whole blood sample collection device is heparin, which may also serve as an anticoagulant for the blood.

No. of Pages : 23 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2813/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : TREATMENT ELEMENT FOR TREATING MATERIAL IN A MULTI-SHAFT WORM MACHINE MULTI-SHAFT WORM MACHINE

(51) International classification :B29C 47/40  
(31) Priority Document No :09012358.9  
(32) Priority Date :29/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/062660  
Filing Date :31/08/2010  
(87) International Publication No :WO 2011/039016  
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)BURKHARDT, ULRICH**

(57) Abstract :

A treatment element (31, 32) to treat material in a multi-shaft worm machine has an outer contour (A( )) with at least one outer contour portion (A( )), the associated evolute (E) of which is a quantity of at least three points, each of the points lying outside the longitudinal axis (M) and within the outer radius (Ra ) of the treatment element (31, 32) and two respective adjacent points having a spacing from one another, which is less than half the core radius (Rj). The treatment element (31, 32) ensures high flexibility during the adjustment of shear and/or extensional flows on the material to be treated.

No. of Pages : 70 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2941/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : FREQUENCY BAND EXTENDING DEVICE AND METHOD, ENCODING DEVICE AND METHOD, DECODING DEVICE AND METHOD AND PROGRAM

(51) International classification :G10L 21/04  
(31) Priority Document No :2009-233814  
(32) Priority Date :07/10/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/066882  
Filing Date :29/09/2010  
(87) International Publication No :WO 2011/043227  
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)YUKI YAMAMOTO**  
**2)TORU CHINEN**  
**3)HIROYUKI HONMA**  
**4)YUHKI MITSUFUJI**

(57) Abstract :

The present invention relates to a frequency band extending device and method, an encoding device and method, a decoding device and method, and a program, whereby music signals can be played with higher sound quality due to the extension of frequency bands. A bandpass filter 13 divides an input signal into multiple sub-band signals, a feature amount calculating circuit 14 calculates feature amount using at least one of the multiple divided sub-band signals and the input signal, a high frequency sub-band power estimating circuit 15 calculates an estimated value of a high frequency sub-band power based on the calculated feature amount, a high frequency signal generating circuit 16 generates a high frequency signal component based on the multiple sub-band signals divided by the bandpass filter 13, and the estimated value of the high frequency sub-band power calculated by the high frequency sub-band power estimating circuit 15. A frequency band extending device 10 extends the frequency band of the input signal using a high frequency signal component. The present invention may be applied to a frequency band extending device, for example.

No. of Pages : 244 No. of Claims : 56

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2950/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : COMPOSITION AND METHOD FOR CONTROLLING ARTHROPOD PESTS

(51) International classification :A01N 43/76  
(31) Priority Document No :2009-227253  
(32) Priority Date :30/09/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/067322  
Filing Date :28/09/2010  
(87) International Publication No :WO 2011/040629  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)**Name of Inventor :**  
**1)OTSUKI, JUNKO**

(57) Abstract :

The present invention provides: an arthropod pests control composition comprising, as active ingredients, a condensed heterocyclic compound and a neonicotinoid compound; a method for controlling arthropod pests which comprises applying effective amounts of a condensed heterocyclic compound and a neonicotinoid compound to the arthropod pests or a locus where the arthropod pests inhabit; and so on.

No. of Pages : 274 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.547/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : CHARGED PARTICLES

(51) International classification	:C09B69/00
(31) Priority Document No	:09163640.7
(32) Priority Date	:24/06/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/058206
Filing Date	:11/06/2010
(87) International Publication No	:WO 2010/149505
	A2
(61) Patent of Addition to Application	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**2)LAMATSCH, BERND**

**3)FONTANA, MARGHERITA**

**4)BURKHARDT, STEPHAN**

**5)MICHAU, LAURENT**

**6)LEHMANN, URS**

**7)BUGNON, PHILIPPE**

(57) Abstract :

Disclosed is a composition comprising a charged particle of volume 5 nm<sup>3</sup> to 50 million nm<sup>3</sup> preferably having an inorganic core of SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, and/or TiO<sub>2</sub>, or a core essentially consisting of an organic pigment and/or pigment derivative, and a counter ion which is separable from the particle and is not covalently linked to the particle, said counter ion comprising a silicon atom which is directly bound to a carbon atom. Preferably, said charged particle comprises a dye attached to said inorganic core and said counter ion comprises a (poly)siloxane moiety linked via suitable bridge members to a quaternary, positively charged, nitrogen or phosphorus atom, or to a moiety carrying an anionic functional group. Said composition may be used e.g. in the form of a homogenous dispersion in an electrophoretic display.

No. of Pages : 62 No. of Claims : 14



(12) PATENT APPLICATION PUBLICATION

(21) Application No.2807/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : WIRELESS TRANSMISSION APPARATUS, WIRELESS TRANSMISSION METHOD AND COMPUTER PROGRAM

(51) International classification	:H04B 1/04
(31) Priority Document No	:2009-222271
(32) Priority Date	:28/09/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/066662
Filing Date	:27/09/2010
(87) International Publication No	:WO 2011/037218
	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)SAITO, KAICHIRO**

(57) Abstract :

A traffic amount calculation portion calculates a traffic amount caused by transmission signals received by a transmission signal reception portion. An average traffic amount calculation portion calculates an average traffic amount that is an average of the traffic amount in a nearest predetermined interval. Further, a modulation method setting portion changes a modulation method used by a modulation portion based on the calculated average traffic amount. In addition, a transmission portion transmits transmission signals by using a transmission power amount corresponding to the modulation method used by the modulation portion.

No. of Pages : 50 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2911/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/03/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : FLYWAYS IN DATA CENTERS

(51) International classification :H04L 12/28  
(31) Priority Document No :61/250,013  
(32) Priority Date :09/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/051698  
Filing Date :06/10/2010  
(87) International Publication No :WO 2011/044288 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)PADHYE, JITENDRA D.**  
**2)KANDULA, SRIKANTH**  
**3)BAHL, PARAMVIR**

(57) Abstract :

Described is a technology by which additional network communications capacity is provided to an oversubscribed base network where needed, through the use of dynamically provisioned communications links referred to as fly ways. A controller detects a need for additional network communications capacity between two network machines, e.g., between two racks of servers with top-of-rack switches. The controller configures flyway mechanisms (e.g., one per rack) to carry at least some of the network traffic between the machines of the racks and thereby provide the additional network communications capacity. The flyway mechanisms may be based on any wireless or wired technologies, including 60GHz technology, optical links, 802.1 In or wired commodity switches.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2944/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR ALLOCATING RESOURCES IN AN EXTENDED BANDWIDTH WIRELESS NETWORK

(51) International classification :H04L5/00  
(31) Priority Document No :61/252,106  
(32) Priority Date :15/10/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/052969  
Filing Date :15/10/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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USA.

(72)Name of Inventor :

**1)CHEN Wanshi**

**2)MONTJO Juan**

(57) Abstract :

A method an apparatus and a computer program product for wireless communication are disclosed in which a base station provides an extended bandwidth having an extension portion and a non-extension portion. The base station can indicate for a particular user equipment (UE) to utilize only a portion of the extended bandwidth. In this way the extended bandwidth can include multiplexed resources directed to a plurality of UEs improving capacity and/or throughput. Moreover backwards compatibility with devices compatible with LTE Release 8 can be achieved as those devices can be directed to utilize only the non-extension portion of the extended bandwidth. In one aspect the base station indicates a system bandwidth including resource blocks associated with the non-extension portion and resource blocks associated with the extension portion and the UE is not required to monitor more than a predetermined number of resource blocks to receive a downlink transmission.

No. of Pages : 48 No. of Claims : 73

(12) PATENT APPLICATION PUBLICATION

(21) Application No.710/CHENP/2012 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : USE OF DIAMAGNETIC MATERIALS FOR FOCUSING MAGNETIC FIELD LINES

(51) International classification	:H01F1/01
(31) Priority Document No	:09166175.1
(32) Priority Date	:23/07/2009
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2010/060602
Filing Date	:22/07/2010
(87) International Publication No	:WO 2011/009904
	A1
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**

**1)BASF SE**

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(72)**Name of Inventor :**

**1)DEGEN, GEORG**

**2)SEELER, FABIAN**

(57) Abstract :

The use of diamagnetic materials in a magnetic field, into which a paramagnetic material is introduced, as a focuser for focusing the magnetic field lines in the paramagnetic material is described.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9690/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : OPTO-THERMAL SOLUTION FOR MULTI-UTILITY SOLID STATE LIGHTING DEVICE USING CONIC SECTION GEOMETRIES

(51) International classification :F21V 7/08  
(31) Priority Document No :61/220,019  
(32) Priority Date :24/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/039509  
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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(72)**Name of Inventor :**  
**1)DASSANAYAKE Mahendra**  
**2)DE MEL Srini**  
**3)SAMARABANDU Jagath**

(57) Abstract :

A light assembly1100 includes a cover18 a housing16 coupled to the cover18 and a lamp base14 coupled to the cover18. The light assembly1100 also includes a first circuit board30 disposed within the housing16. The first circuit board30 has a plurality of light sources32 thereon. A heat sink210 is thermally coupled to the light sources32. The heat sink32 includes a plurality of spaced-apart layers1140 having outer edges and openings there through. Each of the outer edges1144 are in contact with the housing16. The light assembly also includes an elongated control circuit board assembly1110 electrically coupled to the light sources32 of the first circuit board30 and the lamp base14. The control circuit board1110 extends through the openings1170. The control circuit board1110 has a plurality of electrical components1112 thereon for controlling the light sources32.

No. of Pages : 61 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9694/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : POLYMER COMPOSITION FOR CROSSLINKED PIPES•

(51) International classification :C08L 23/08

(31) Priority Document No :09161093.1

(32) Priority Date :26/05/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/056938

Filing Date :20/05/2010

(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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**1)EK Carl-Gustav**

**2)ODERKERK Jeroen**

**3)PALML-F Magnus**

**4)SUNDHOLM Tua**

(57) Abstract :

The invention is directed to a use of a polymer composition comprising an ethylene polymer for producing a crosslinked pipe a process for producing a crosslinked pipe and to a crosslinked pipe comprising a crosslinked polymer composition which comprises a crosslinked ethylene polymer.

No. of Pages : 57 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9696/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : BIOPSY DEVICE NEEDLE SET•

(51) International classification :A61B 10/02  
(31) Priority Document No :61/181,933  
(32) Priority Date :28/05/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/036766  
Filing Date :28/05/2010  
(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)ANGIOTECH PHARMACEUTICALS INC.**  
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(72)**Name of Inventor :**  
**1)DRUBETSKY Lev**

(57) Abstract :

A needle set for use in a biopsy device where the needle set includes a plurality of annularly nested cannulae. Each of the cannulae have a distal end a proximal end a lumen and a cannula body. At least two of the cannulae are joined at their proximal ends. The distal ends of the two joined cannulae are mountable in a biopsy device. At least one of the two joined cannulae further have at least two flexible linkages joining the cannula body to its proximal end. Upon rotating the cannula body around its longitudinal axis while fixing the proximal end the linkages present therebetween will contact one another effectively cutting the luminal space between the cannula body and the proximal end of the cannula thereby also cutting any material for example biopsy material present in the lumen.

No. of Pages : 36 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9697/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : BALL-RAMP CLUTCH

(51) International classification :F16D 27/112

(31) Priority Document No :61/219,472

(32) Priority Date :23/06/2009

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

(86) International Application No :PCT/CA2010/000978

Filing Date :21/06/2010

(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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(72)Name of Inventor :

**1)DARRELL F. GREENE**

(57) Abstract :

An electromagnetic clutch includes a rotatable input member and a rotatable output member. A clutch plate is fixed for rotation with one of the input member and the output member. An armature plate is axially moveable relative to the other of the input member and the output member. A self-energizing actuator converts rotary motion of the input member to linear movement of the armature plate. The actuator includes a biasing member urging relative rotation between the one of the input member and the output member and the armature plate to initially engage the armature plate and the clutch plate. The self-energizing actuator provides an additional clutch engagement force once the input member is driven and also includes an electromagnet to axially translate the armature plate and disengage the armature plate and the clutch plate.

No. of Pages : 30 No. of Claims : 21



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9698/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR IMPLEMENTING GROUP INTELLIGENT SERVICE OF MOBILE VIRTUAL PRIVATE NETWORK•

(51) International classification	:H04W 4/08	(71)Name of Applicant :
(31) Priority Document No	:200910143467.0	<b>1)ZTE CORPORATION</b>
(32) Priority Date	:26/05 2009	Address of Applicant :ZTE Plaza Keji Road South Hi-Tech
(33) Name of priority country	:China	Industrial Park Nanshan District Shenzhen Guangdong
(86) International Application No	:PCT/CN2009/073754	Province 518057 P.R. China.
Filing Date	:04/09/2009	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)HOU Zhirong</b>
(61) Patent of Addition to Application	:NA	<b>2)ZHENG Song</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses implementing group intelligent service of Mobile Virtual Private Network (MVPN). The method includes configuring on Service Management Point a corresponding relationship between a group<sup>TM</sup>s number and a module number of the Service Control Point (SCP) on which the group is distributed and configuring relevant data information of the group in the service database of each SCP on which the group is distributed; uniformly managing relevant data information of the group distributed on different SCP; performing the judging the controlling and the billing for a call when user triggers a service. The device includes configuration module management module and service execution module. The cross-SCP VPN group users are provided with all service features that non-cross-SPC VPN group users have which fully utilizes the existing intelligent network devices reduces hardware cost and also provide flexibility and convenience for managing and maintaining relevant data information of a group.

No. of Pages : 48 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9719/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : WRAPPED OPTOELECTRONIC DEVICES AND METHODS FOR MAKING SAME•

(51) International classification :H01L 51/52  
(31) Priority Document No :61/187,131  
(32) Priority Date :15/06/2009  
(33) Name of priority country : .S.A.  
(86) International Application No :PCT/US2010/038723  
Filing Date :15/06/2010  
(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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**2)DIAS Sampath**

**3)ALLEY Nigel**

**4)HALDAR Amrita**

**5)DEVI Soniya**

**6)KANG-SHYANG Liao**

**7)CHAUDHARI Prajakta**

(57) Abstract :

In various embodiments optoelectronic devices are described herein. The optoelectronic device may include an optoelectronic cell arranged so as to wrap around a central axis wherein the cell includes a first conductive layer a semi-conductive layer disposed over and in electrical communication with the first conductive layer and a second conductive layer disposed over and in electrical communication with the semi-conductive layer. In various embodiments methods for making optoelectronic devices are described herein. The methods may include forming an optoelectronic cell while flat and wrapping the optoelectronic cell around a central axis. The optoelectronic devices may be photovoltaic devices. Alternatively the optoelectronic devices may be organic light emitting diodes.

No. of Pages : 55 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9720/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR PROVIDING A COLLABORATIVE REPLY OVER AN AD-HOC MESH NETWORK

(51) International classification :H04W 84/18

(31) Priority Document No :12/475,351

(32) Priority Date :29/05/2009

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

(86) International Application No :PCT/IB2010/052406

Filing Date :29/05/2010

(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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**1)Kari Leppanen**

**2)Mika Kasslin**

**3)Mikko Tirronen**

**4)Markku T.Turunen**

**5)Sami Virtanen**

(57) Abstract :

An approach is provided for providing a collaborative reply to a flooding message over an ad-hoc mesh network. A reply message to a flooding message is received by a wireless node within the ad-hoc network. The wireless node monitors for an acknowledgement of receipt of the reply message according to a routing table and initiates a scheduled transmission of the reply message based on the monitoring.

No. of Pages : 76 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9728/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF NACRE MECHANO-STRUCTURED BY MECHANOSYNTHESIS&NBSP; MECHANO-STRUCTURED NACRE THUS OBTAINED AND USES THEREOF•

(51) International classification :A61L 27/36

(31) Priority Document No :0954066

(3 ) Priority Date :17/06/2009

(33) Name of priority country :France

(86) International Application No :PCT/FR2010/051201

Filing Date :16/06/2010

(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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(72)Name of Inventor :

**1)CAMPRASSE SERGE**

**2)CAMPRASSE GEORGES**

(57) Abstract :

The present invention relates to a method for the preparation of mechano-structured nacre by mechanosynthesis of micrometric nacre powder characterized in that the temperature of the nacre is kept below 40°C. It also relates to said mechano-structured nacre and to uses thereof in particular on implants and bone substitute pieces on which the mechano-structured nacre is deposited.

No. of Pages : 36 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9729/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : OPTICAL ASSEMBLIES FOR ADJUSTING WORKING DISTANCE AND FIELD OF VIEW IN AN IMAGING SYSTEM

(51) International classification :G02B 7/04  
(31) Priority Document No :12/504,531  
(32) Priority Date :16/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/039549  
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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**1)BARNES Danny S.**  
**2)STOCKINGER Erik R.**  
**3)BAJORINS David P.**  
**4)FADLOVICH Chace H.**

(57) Abstract :

Embodiments of an apparatus comprising a base including a proximal end a distal end and a receptacle in the distal end that is adapted to interchangeably receive a lens adapter; a set of base optics positioned in the proximal end of the base; and adjustable-focus optics positioned in the base and optically coupled to the base optics and when the lens adapter is present to the lens adapter. Embodiments of a process including forming a base including a proximal end a distal end and a receptacle in the distal end that is adapted to interchangeably receive any one of a plurality of lens adapters; positioning a set of base optics in the proximal end of the base and positioning adjustable-focus optics positioned in the base such that they are optically coupled to the base optics and when the lens adapter is present to the lens adapter. Other embodiments are disclosed and claimed.

No. of Pages : 23 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9730/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEM FOR RELATIVE POSITIONING OF ACCESS POINTS IN A REAL TIME LOCATING SYSTEM

(51) International classification :G08B 23/00

(31) Priority Document No :61/234,134

(32) Priority Date :14/08/2009

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

(86) International Application No :PCT/US2010/043972

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

(71)Name of Applicant :

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(72)Name of Inventor :

**1)JOHNSON Ernest K. Jr.**

**2)DAVISSON Mark J.**

(57) Abstract :

A system is described for relative positioning of access points in a real time locating system. The system may include a memory interface and processor. The memory may store layout information for a work area which includes architectural and infrastructure attributes. The processor may determine a number of access points to position in the work area based on the architectural attribute. The processor may determine a placement of a test tag in the work area based on the infrastructure attributes. The processor may determine a positioning of the access points in the work area which substantially maximizes coverage and accuracy of locating the test tag in the work area. The processor may determine a repositioning of one of the access points when the coverage and accuracy do not satisfy a threshold. The processor may provide a graphical representation of the positioning of the access points when the threshold is satisfied.

No. of Pages : 95 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9673/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : NETWORK SYSTEM

(51) International classification :H04L12/28  
(31) Priority Document No :2009-147317  
(32) Priority Date :22/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/003915  
Filing Date :14/06/2010  
(87) International Publication No :WO 2010/150478  
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)YAMASHITA, ATSUYA**  
**2)KUROSAKI, SHINYA**  
**3)ISHIURA, SATOSHI**  
**4)NAKAJIMA, HIROAKI**

(57) Abstract :

A link control function unit 506 of a device 500 notifies a counterpart device 600 of a line in which a link disconnection occurs among lines 508 to 510 and L500 terminated at line terminals 501 to 503 or a lower stage line terminal 504 of the self device 500 and the cause of the link disconnection is not a forcible closure of a line terminal of the self device. Further, the link control function unit 506 does not forcibly close the lower stage line terminal 504 of the self device 500 if a line in which a link disconnection occurs, notified from the counterpart device 600, is a line terminated at a lower stage line terminal 604 of the counterpart device 600.

No. of Pages : 67 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9685/CHENP/2011 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR DOWNLOADING

(51) International classification :H04L1/00  
(31) Priority Document No :200910091701.X  
(32) Priority Date :24/08/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/075531  
Filing Date :28/07/2010  
(87) International Publication No :WO 2011/023049 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)CHEN, LIANGHUA**

(57) Abstract :

Embodiments of the invention provide a downloading method and a downloading device. The downloading method includes: determining, by a downloader, a piece of data in a downloading process, according to downloading information about piece of data stored, with reference to the piece of data in the downloading process, determining, by the downloader, a small piece of data un-downloaded, according to downloading information about small piece of data stored; and downloading, by the downloader, the small piece of data un-downloaded. The downloading device includes: a storing module, configured to store downloading information about piece and small piece of data; a determining module, configured to determine a piece of data in a downloading process, according to the downloading information about piece of data stored in the storing module, with reference to the piece of data in the downloading process, the determining module is further configured to determine a small piece of data un-downloaded, according to the stored downloading information about small piece of data; and a downloading module, configured to download the small piece of data un-downloaded, which is determined by the determining module. By adopting the above technical solution, network transmission resources may be saved, and downloading efficiency may be improved.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9737/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : PRIMARY REFORMER FOR REDUCED NITRIC OXIDE FORMATION

(51) International classification :C01B 3/38  
(31) Priority Document No :102009030480.0  
(32) Priority Date :24/06/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/003793  
Filing Date :24/06/2010  
(87) International Publication No :WO 2010/149361  
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)THYSSENKRUPP UHDE GMBH**  
Address of Applicant :FRIEDRICH-UHDE-STRASSE 15,  
44141, DORTMUND Germany  
(72)Name of Inventor :  
**1)MEISSNER, OLIVER**  
**2)VON TROTHA, THILO**

(57) Abstract :

Method for catalytic primary reformation of hydrocarbons with steam at elevated pressure by means of a reactor according to claim 1, comprised of a split tube system and a firing chamber, wherein in the split tube system which can be filled with a catalyst material, hydrocarbons to be reformed are converted by means of water steam to synthesis gas, and wherein the split tube system is heated by a plurality of firing facilities each arranged between the split tubes and which are comprised of a plurality of burners arranged in series, with the burners being able to generate mainly downwardly directed flames, and wherein the relevant firing facilities are supplied with fuel gas and air, with the air being withdrawn from the relevant feeders, and wherein the flue gas thus evolving passes through the firing chamber from top to bottom and enters in the lower area of the firing chamber into mainly horizontally arranged flue gas tunnels extending in parallel to each other and perpendicular to the vertical split tubes and being allocated to one firing facility each, said flue gas tunnels being made of ceramic material, and said flue gas entering through apertures in the lateral walls of the flue gas tunnels, and wherein the flue gas at the exit of the firing chamber is passed into devices that are utilized for heat recovery, and wherein in every single flue gas tunnel an additional gas is feeded through means for feeding into the tunnel's front side, in flue gas flow direction, wherein the gas containing oxygen and a non-combustible gas, so that the additional gas passes the flue gas tunnels over the entire length of the the firing chamber, with the volume of the additional gas passed into the flue gas tunnels being regulated.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.974/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :28/04/2009

(43) Publication Date : 31/05/2013

(54) Title of the invention : COMMUNICATING CONFIDENTIAL INFORMATION BETWEEN AN APPLICATION AND A DATABASE

(51) International classification	:G06F, H04L	(71) <b>Name of Applicant :</b> <b>1)HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.</b>
(31) Priority Document No	:NA	Address of Applicant :11445 COMPAQ CENTER DRIVE
(32) Priority Date	:NA	WEST HOUSTON TX 77070 U.S.A.
(33) Name of priority country	:NA	(72) <b>Name of Inventor :</b>
(86) International Application No	:NA	<b>1)SHAMIK MAJUMDAR</b>
Filing Date	:NA	<b>2)ANKIT KUMAR KATIYAR</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 :

Disclosed is a system and method for communicating confidential information in a resource friendly manner between an application and a database using an application programming interface, API. The method establishes first and second socket connections between the application and the database in an API connection between the application and the database. The first socket connection is arranged to be secure and the second socket connection is arranged to be non-secure. Information is then communicated through the first or second socket connection based on whether the information is identified as being confidential information or not. The evaluation of confidentiality may be undertaken at the client side of a JDBC or ODBC layer without putting any extra pressure on the database server side.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9745/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : LUPEOL TYPE TRITERPENE DERIVATIVES AS ANTIVIRALS

(51) International classification :C07J 63/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/IB2010/001677  
Filing Date :05/07/2010  
(87) International Publication No : WO/2011/007230  
(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)MANOHAR SHARMA VEDULA**

**3)RATHNAKAR REDDY KURA**

**4)MADHANMOHAN REDDY MUSKU**

**5)YELLA REDDY NELLI**

**6)VL SUBRAHMANYAM LANKA**

(57) Abstract :

The invention relates to novel lupeol-type triterpene derivatives and related compounds, and pharmaceutical compositions useful for therapeutic treatment of viral diseases and particularly HIV mediated diseases.

No. of Pages : 184 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9746/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : ORGANIC ELECTRONIC DEVICE AND METHOD FOR MANUFACTURING THE SAME•

(51) International classification :H01L 51/42  
(31) Priority Document No :2009-150143  
(32) Priority Date :24/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/ 60499  
Filing Date :21/06/2010  
(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)YONEYAMA Takahiro**  
**5)HANDA Keishin**

(57) Abstract :

An organic electronic device which does not deteriorate a device function over a long period of time for example in a thin film organic solar cell element suppresses a lowering of the power generation efficiency and a method for manufacturing the same are provided. Disclosed is an organic electronic device comprising an organic semiconductor element (B) containing at least a pair of electrodes a layer (C) containing a scavenger which absorbs at least one of moisture and oxygen and a gas barrier film (D) in this ...

No. of Pages : 94 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9748/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHODS OF TRANSMITTING A SIGNAL IN A TIME DIVISION DUPLEXING MIMO SYSTEM AND ASSOCIATED APPARATUSES

(51) International classification	:H04B7/04	(71)Name of Applicant :
(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/CN2009/072406	(72)Name of Inventor :
Filing Date	:23/06/2010	<b>1)LUO, QINGLIN</b>
(87) International Publication No	:WO 2010/148554 A1	<b>2)SHI, JING</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to methods of transmitting a signal in a time division duplexing MIMO system and associated apparatuses. According to a first aspect of the present invention, there is provided a method of transmitting a signal in an eNodeB of a time division duplexing multiple input multiple output system. The method includes: A. receiving a signal from a user equipment in a space division multiplexing group and estimating uplink channel characteristics according to the received signal; B. determining reciprocity calibration information between the uplink channel characteristics and downlink channel characteristics; C. determining a downlink precoding matrix using zero forcing according to the uplink channel characteristics and the calibration information and transmitting a downlink signal to the user equipment in the space division multiplexing group according to the determined downlink precoding matrix. And the step B further comprises receiving information associated with a downlink vector channel matrix fed back from the user equipment in the space division multiplexing group and selectively updating the calibration information according to the information associated with the downlink vector channel matrix.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9770/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : N SUBSTITUTED CYCLIC AMINO DERIVATIVE

(51) International classification :C07D401/12  
(31) Priority Document No :2009-150382  
(32) Priority Date :24/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/060716  
Filing Date :24/06/2010  
(87) International Publication No :WO 2010/150840  
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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**3)NAKAI, YOSHIO**  
**4)TAKADA, TAKASHI**  
**5)IKUMA, YOHEI**  
**6)NAKAHIRA, HIROYUKI**

(57) Abstract :

The present invention provides a compound of formula (I): wherein R<sub>1a</sub> is optionally substituted C<sub>1</sub>-6 alkyl, etc.; R<sub>1m</sub> is hydrogen atom, etc.; G<sub>1</sub>, G<sub>2</sub>, G<sub>3</sub> and G<sub>4</sub> are (i), etc. ((i) G<sub>1</sub> is -N(R<sub>1b</sub>)-, G<sub>2</sub> is -CO-, G<sub>3</sub> is -C(R<sub>1c</sub>)(R<sub>1d</sub>)-, and G<sub>4</sub> is oxygen, etc.); R<sub>1b</sub> is optionally substituted C<sub>1</sub>-6 alkyl, etc.; R<sub>1c</sub> and R<sub>1d</sub> are each independently optionally substituted C<sub>1</sub>-6 alkyl, etc.; R<sub>2</sub> is optionally substituted C<sub>1</sub>-6 alkyl, etc.; R<sub>3a</sub>, R<sub>3b</sub>, R<sub>3c</sub>, and R<sub>3d</sub> are each independently a group: -A-B (A is a single bond, etc., B is hydrogen atom, etc.), etc.; n is 1, etc.; R<sub>5</sub> is C<sub>1</sub>-4 alkoxy carbonyl, etc., or a pharmaceutically acceptable salt thereof, which is useful as a renin inhibitor.

No. of Pages : 351 No. of Claims : 57

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9771/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD&NBSP; APPARATUS&NBSP; AND SYSTEM FOR ESTABLISHING BACKUP LABEL SWITCHED PATH

(51) International classification	:H04L 12/56	(71)Name of Applicant :
(31) Priority Document No	:NA	<b>1)Huawei Technologies Co. Ltd.</b>
(32) Priority Date	:NA	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:NA	Bantian Longgang District Shenzhen Guangdong 518129 P.R.
(86) International Application No	:PCT/CN2009/072275	China.
Filing Date	:15/06/2009	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)CHEN Ying</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The embodiment of the present invention discloses a method a device and a system for establishing a backup Label Switched Path (LSP). The method includes: acquiring path information; performing selection for the backup LSP according to the path information; if a non-optimal path without loop path is selected using the non-optimal path without a loop path as the backup LSP. The present invention binds the main LSP with the backup LSP and implements that the network negotiates generation of backup LSP by itself.

No. of Pages : 18 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9772/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : PROCESS FOR THE PREPARATION OF ILOPERIDONE USING A NOVEL INTERMEDIATE

(51) International classification :C07C 45/29  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/IN2009/000663  
Filing Date :19/11/2009  
(87) International Publication No :WO 2011/061750  
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)PINGILI KRISHNAREDDY**  
**3)KANAKUNTLA CHANDANA REDDY**  
**4)RIZWANA MOHAMMAD**

(57) Abstract :

The present invention provides a novel process for the preparation of iloperidone using a novel intermediate. Thus for example, reacting 4-(3-chloropropoxy)-3-methoxy benzaldehyde with methyl magnesium iodide in ether and the reaction mass was heated for 6 hours at reflux temperature, the mass was cooled to ambient temperature and poured into a mixture of ice, water and dilute hydrochloric acid to obtain 1-[4-(3-chloropropoxy)-3-methoxyphenyl]ethanol.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9773/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : DUAL POWER INPUT FLUID PUMP

(51) International classification :F02B 39/02

(31) Priority Document No :61/185,254

(32) Priority Date :09/06/2009

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

(86) International Application No :PCT/CA2010/000907

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

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**2)RICHARD D. MUIZELAAR**

**3)ANDREW KOWALSKI**

(57) Abstract :

A fluid pumping system for a vehicle having an internal combustion engine includes a housing an electric motor a controller to control the speed of the electric motor a planetary gearset including a first member adapted to be driven by the internal combustion engine a second member driven by the electric motor and a third member. A pump is driven by the third member of the planetary gearset. The housing contains the electric motor the pump and the controller.

No. of Pages : 26 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9774/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : DRUG DELIVERY SYSTEM COMPRISING POLYOXAZOLINE AND A BIOACTIVE AGENT•

(51) International classification :A61K 9/70  
(31) Priority Document No :09164023.5  
(32) Priority Date :29/06/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/NL2010/050403  
Filing Date :28/06/2010  
(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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**2)HOOGENBOOM Richard**

**3)VAN VLIET Patrick Andreas Anton**

(57) Abstract :

The invention relates to drug delivery systems comprising a water-soluble polymer matrix and a bioactive agent entrained therein said water soluble polymer matrix containing at least 50 wt. % of polyoxazoline having a molar mass of at least 5 40 000 g/mol. The drug delivery systems of the present invention offer the advantage that the bioactive agent is readily released when the drug delivery system is contacted with water. The drug delivery system can be in the form of a solid dispersion a mucoadhesive sheet a tablet a powder a capsule.

No. of Pages : 28 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9775/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : ONE-PIECE BIFURCATION GRAFT•

(51) International classification :A61F 2/06

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/EP2009/005552

Filing Date :31/07/2009

(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)JOTEC GMBH**

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(72)Name of Inventor :

**1)CENTOLA Marcos**

(57) Abstract :

The present invention relates to an endoluminal prosthesis (27) to be deployed at a vessel bifurcation (10) comprising a one-piece graft sleeve (32) with a branching portion (28) defining a first prosthesis lumen (30) and having in its deployed state a first diameter (39) said branching portion (28) being reinforced by stent elements (33) and a trunk portion (29) defining a second prosthesis lumen (31) in fluid communication with said first prosthesis lumen (30) and having in its deployed state a second diameter (40). Said trunk portion (29) is essentially free from reinforcing stent-material.

No. of Pages : 44 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9777/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR INDEPENDENT LICENSING OF AUDIO IN DISTRIBUTION OF AUDIOVISUAL ASSETS

(51) International classification	:H04N5/262
(31) Priority Document No	:12/493,620
(32) Priority Date	:29/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/CA2010/001028
Filing Date	:29/06/2010
(87) International Publication No	:WO 2011/000105 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)MARTIN SOUKUP**

**2)ROBERT KAPPLER**

(57) Abstract :

A method and apparatus is disclosed for enabling and facilitating the licensing of audio portions of audio-video assets per individual copy of the asset. The method and apparatus involves omitting unlicensed portions of the audio content from the asset and instead inserting tags identifying the omitted audio portions and distributing the audiovisual asset, whereupon each individual distributee may obtain licenses for the unlicensed audio portions of the asset and then accessing and playing those audio portions during playback of the asset.

No. of Pages : 27 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9778/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A METHOD AND SYSTEM FOR INTERWORKING BETWEEN INSTANT MESSAGING SERVICE AND SHORT MESSAGE SERVICE

(51) International classification	:H04L12/58	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/494,627	<b>1)ALCATEL LUCENT</b>
(32) Priority Date	:30/06/2009	Address of Applicant :3, AVENUE OCTAVE GREARD, F-
(33) Name of priority country	:U.S.A.	75007 PARIS France
(86) International Application No	:PCT/US2010/038807	(72) <b>Name of Inventor :</b>
Filing Date	:16/06/2010	<b>1)WILLIAM J. BUSHNELL</b>
(87) International Publication No	:WO 2011/008399 A1	
(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 interworking between instant messaging and short message service are provided. The invention allows wireless service providers to offer a new text messaging service to their mobile clients, consumer IM clients and to enterprise IM clients. The exemplary embodiments comprise various elements, including a new administrative server that, among other things, allows consumer and enterprise-based IM users to register the URI of their IM client and to request a permanently assigned telephone number for receiving text messages from SMS clients and allows SMS users to register the mobile phone number and to request permanently assigned IM URI. The exemplary embodiments also comprise the expansion of the traditional E.164 Number Mapping (ENUM) server to provide the translation from IM URIs to mobile phone numbers and to perform the translation from mobile phone numbers to IM URIs, and modification of the traditional SMS Gateway to perform ENUM queries.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9780/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : COMMUNICATION TERMINAL•

( 1) International classification	:H04W 36/00
(31) Priority Document No	:2009-147778
(32) Priority Date	:22/06/2009
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2010/003501
Filing Date	:25/05/2010
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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**3)Takashi TAMURA**

(57) Abstract :

A communication terminal is capable of simultaneously communicating through a plurality of carriers by carrier aggregation and the communication terminal comprises: a quality measurement unit for measuring the reception quality of a radio wave transmitted through a plurality of carriers from a base station of a connected cell to obtain a measured value; a primary carrier storage unit storing information specifying a primary carrier chosen from the plurality of carriers; a comparator for comparing a measured value of the primary carrier measured by the quality measurement unit to a threshold value; and a cell search unit for searching for another cell when the measured value of the primary carrier is less than or equal to the threshold value. Consequently a search threshold value for carrier aggregation can be appropriately determined to perform a cell search and a quality measurement.

No. of Pages : 74 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9781/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : FLIP FLOP SHIFT REGISTER DISPLAY DRIVE CIRCUIT DISPLAY APPARATUS AND DISPLAY PANEL

(51) International classification :H03K 3/356  
(31) Priority Document No :2009-144746  
(32) Priority Date :17/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/002196  
Filing Date :26/05/2010  
(87) International Publication No :WO 2010/146756  
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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**3)YASUSHI SASAKI**  
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**5)TAKAHIRO YAMAGUCHI**

(57) Abstract :

A flip-flop includes: a first (P), second (N), third (P), and fourth (N) transistors; input terminals; and first and second output terminals, the first and second transistors constituting a first CMOS circuit such that gate terminals are connected and drain terminals are connected, the third and fourth transistors constituting a second CMOS circuit such that gate terminals are connected and drain terminals are connected, the first output terminal connected to a gate side of the first CMOS circuit and a drain side of the second CMOS circuit, the second output terminal connected to a gate side of the second CMOS circuit and a drain side of the first CMOS circuit, at least one input transistor included in the group of the first through fourth transistors, a source terminal of the input transistor being connected to one of the input terminals. This can provide a further compact flip-flop.

No. of Pages : 164 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.980/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : COATED DEHYDRATED MICROORGANISMS WITH ENHANCED STABILITY AND VIABILITY•

(51) International classification :C12N 1/04  
(31) Priority Document No :61/233,899  
(32) Priority Date :14/08/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/061819  
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

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**5)BABIN Geoffrey**  
**6)CHAIGNEAU Patrick**  
**7)JENSEN Hans Hedegaard**  
**8)HENRI Erwan**

(57) Abstract :

The present invention relates to coated dehydrated microorganisms comprising a dehydrated microorganism surrounded by at least one coating said coating comprising by dry weight at least 25% of hygroscopic salt(s) and wherein the pH of the coating is compatible with viability of the coated dehydrated microorganism. The coating can be partially crystalline the salt(s) in the coating having preferably a crystallinity degree of up to 60% once applied onto the dehydrated microorganism. The present invention also relates to liquid coating compositions methods for coating and protecting a dehydrated microorganism. Finally the present invention relates to a method for the preparation of food products feed products consumer healthcare products or agri-products as well as to a food product feed product a consumer healthcare product or an agri-product containing such coated dehydrated microorganisms.

No. of Pages : 102 No. of Claims : 30



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9802/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : VIDEO ENCODING DEVICE, VIDEO DECODING DEVICE, VIDEO ENCODING METHOD, AND VIDEO DECODING METHOD

(51) International classification :H04N7/32  
(31) Priority Document No :2009-130459  
(32) Priority Date :29/05/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/003552  
Filing Date :27/05/2010  
(87) International Publication No :WO 2010/137323  
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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**5)YAMAGISHI, SHUICHI**

(57) Abstract :

A compressing unit 6 of a video encoding device selects whether or not to transform and quantize a prediction error signal 5 after a down sampling processing unit 36 performs a reduction transformation on the prediction error signal 5 by-using a transforming process determining unit 31, and then creates quantization coefficient data 7a or 7b. When the compressing unit creates the quantization coefficient data 7b, a local decoding unit located behind the compressing unit inverse-quantizes and inverse-transforms the quantization coefficient data 7b, and, after that, an up sampling processing unit performs an enlargement transformation on the quantization coefficient data to create a decoded prediction error signal.

No. of Pages : 64 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9808/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : NEW COMPOSITIONS FOR TREATING CMT AND RELATED DISORDERS•

(51) International classification :A61K 31/192

(31) Priority Document No :09305506.9

(32) Priority Date :02/06/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/057438

Filing Date :28/05/2010

(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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**3)CHUMAKOV Ilya**

(57) Abstract :

The present invention relates to compositions and methods for the treatment of the Charcot-Marie-Tooth disease and related disorders.

No. of Pages : 73 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9809/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD OF AND APPARATUS FOR DESIGNING AN OPTICAL LENS•

(51) International classification :G02C 7/06  
(31) Priority Document No :09305632.3  
(32) Priority Date :30/06/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/059234  
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

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**3)GUILLOUX Cyril**

(57) Abstract :

The present invention relates to a method of and an apparatus for designing an optical lens surface for the manufacture of the optical lens, the method comprising the steps of providing a reference surface Sref, the reference surface Sref being defined by a plurality of surface points Pi each surface point Pi having a mean sphere Sph (Pi) and a cylinder CyI(Pi); providing at least one modifying surface layer SLmod( 1,..., N, x,y) the modifying surface layer SLmod being determined as a function of N adjustment parameters 1, ..., N; wherein N 1 and the N adjustment parameters 1, 4,..., N are selected according to the desired optical properties of the optical target; combining the modifying surface layer SLmod with the reference surface Sref to obtain a target optical surface Star(x,y) according to the expression: Star(x,y) = Sref(x,y) + SLmod ( 1,..., N, x,y); such that the value of surface parameter of at least one surface point Pi at a first region of the reference surface Sref is modified without modifying a surface parameter of at least one surface point Pi at a second region of the reference surface Sref, distanced from the first region.

No. of Pages : 42 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.981/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : SELF ASSEMBLED MULTI-LAYER NANOCOMPOSITE OF GRAPHENE AND METAL OXIDE MATERIALS

(51) International classification	:H01M4/62	(71)Name of Applicant :
(31) Priority Document No	:12/462,857	<b>1)BATTELLE MEMORIAL INSTITUTE</b>
(32) Priority Date	:10/08/2009	Address of Applicant :PACIFIC NORTHWEST DIVISION,
(33) Name of priority country	:U.S.A.	INTELLECTUAL PROPERTY LEGAL SERVICES, PO BOX
(86) International Application No	:PCT/US2010/045088	999, RICHLAND WA 99352 U.S.A.
Filing Date	:10/08/2010	(72)Name of Inventor :
(87) International Publication No	:WO 2011/019764 A1	<b>1)LIU, JUN</b>
(61) Patent of Addition to Application	:NA	<b>2)CHOI, DAIWON</b>
Number	:NA	<b>3)KOU, RONG</b>
Filing Date	:NA	<b>4)NIE, ZIMIN</b>
(62) Divisional to Application Number	:NA	<b>5)WANG, DONGHAI</b>
Filing Date	:NA	<b>6)YANG, ZHENGUO</b>

(57) Abstract :

Nanocomposite materials having at least two layers, each layer consisting of one metal oxide bonded to at least one grapheme layer were developed. The nanocomposite materials will typically have many alternating layers of metal oxides and grapheme layers, bonded in a sandwich type construction and will be incorporated into an electro-chemical or energy storage device.

No. of Pages : 52 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9810/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : AN INHALER•

(51) International classification	:A61M 15/06	(71)Name of Applicant :
(31) Priority Document No	:0913942.9	<b>1)KIND CONSUMER LIMITED</b>
(32) Priority Date	:07/08/2009	Address of Applicant :79 Clerkenwell Road London EC1R
(33) Name of priority country	:U.K.	5AR United Kingdom
(86) International Application No	:PCT/GB2010/001487	(72)Name of Inventor :
Filing Date	:06/08/2010	<b>1)HEARN Alex</b>
(87) International Publication No	: NA	<b>2)McDERMENT Iain</b>
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An inhaler comprising a reservoir (5) of an inhalable composition with an outlet (11) at one end (8) through which the inhalable composition is discharged. A non-metered breath-activated valve (7) is provided between the one end and the reservoir the breath-activated valve comprising a flow path (13) extending from the reservoir to the outlet end. At least a portion of the flow path is a deformable tube (14). A clamping member (21) pinches the deformable tube closed when no suction force is applied to the device and releases the tube (14) to open the flow path when suction is applied at the outlet to provide uninterrupted flow from the reservoir to the outlet .

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9811/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :26/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : DRUG DELIVERY SYSTEM COMPRISING POLYOXAZOLINE AND A BIOACTIVE AGENT•

(51) International classification :A61N 1/04  
(31) Priority Document No :61/220,946  
(32) Priority Date :26/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/040198  
Filing Date :28/06/2010  
(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)ZOLL MEDICAL CORPORATION**  
Address of Applicant :269 Mill Road Chelmsford  
Massachusetts 01824 USA.  
(72)**Name of Inventor :**  
**1)KHUON Pisit**  
**2)DUPELLE Michael R.**

(57) Abstract :

A reusable component of a hands-free defibrillation electrode the reusable component having a flexible nonconductive element and a flexible metallic element supported by the flexible nonconductive element wherein the flexible metallic element comprises a plurality of substantially inflexible metallic elements interconnected by flexible metallic linking elements and wherein the majority of the flexibility of the metallic element is provided by the flexible metallic linking elements wherein the flexible metallic element has an exposed surface on one side of the reusable component and the exposed surface is configured to be adhered to a disposable coupling portion and wherein the reusable component is configured to accept an electrical defibrillation pulse and spread the electrical pulse across the exposed surface area from which it is delivered to the patients chest through the disposable coupling portion.

No. of Pages : 37 No. of Claims : 28

(54) Title of the invention : SYNTHESIS OF N4- (2&NBSP; 2-DIMETHYL-4- [ (DIHYDROGEN PHOSPHONOXY ) -3-OXO-5-PYRIDO [1&NBSP; 4] OXAZIN-6-YL)-5-FLUORO-N2- (3&NBSP; 4&NBSP; 5&NBSP;-TRIMETHOXYPHENYL) -2&NBSP; 4- PYRIMIDINEDIAMINE DISODIUM SALT•

(51) International classification :C07F 9/6561

(31) Priority Document No :61/270,073

(32) Priority Date :02/07/2009

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

(86) International Application No :PCT/US2010/040792

Filing Date :01/07/2010

(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)RIGEL PHARMACEUTICALS INC.**

Address of Applicant :1180 Veterans Boulevard South San Francisco California 94080 USA.

(72)Name of Inventor :

**1)FELFER Ulfried**

**2)GISELBRECHT Karl-Heinz**

**3)WOLBERG Michael**

(57) Abstract :

This invention relates to the field of pharmaceutical/process chemistry. Disclosed herein is a process for preparing N4- (2 2-dimethyl-4- [ (dihydrogen phosphonoxy) methyl] -3-oxo-5-pyrido [1 4] oxazin-6-yl) -5fluoro-N2- (3 4 5-trimethox yphenyl) -2 4-pyrimidinediamine disodium salt particularly hydrates (such as a hexahydrate). The compound is useful in the treatment and prevention of various diseases. Also disclosed is a process of preparing N4- (2 2-dimethyl-4- [ (dialkyl phosphonoxy) methyl] -3-oxo-5-pyrido [1 4] oxazin-6-yl) -5-f luoro-N2- (3 4 5-trimethox yphenyl ) -2 4-pyrimidinediamine. Both processes involve the use of an amide. in.

No. of Pages : 32 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9814/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : OPEN LOOP CHANNEL REPORTING IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification :H04L 1/00  
(31) Priority Document No :61/221,478  
(32) Priority Date :29/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/040308  
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)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
USA.

(72)**Name of Inventor :**

**1)GOROKHOV Alexei Y.**

**2)GAAL Peter**

(57) Abstract :

Techniques for reporting channel quality indicator (CQI) in a wireless communication system are described. In one design a UE determines CQI based on an assumption of a set of precoding matrices being used by a base station for data transmission to the UE. The base station may or may not actually use the set of precoding matrices assumed by the UE. The UE sends the CQI to the base station and thereafter receives data transmission sent by the base station based on the CQI. In one design the UE determines the set of precoding matrices for a set of time-frequency resources available for data transmission to the UE. The UE determines the received signal quality of each time-frequency resource based on a precoding matrix for that time-frequency resource. The UE then determines the CQI based on the received signal qualities of the set of time-frequency resources.

No. of Pages : 37 No. of Claims : 38



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9815/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEM COMPATIBILITY METHOD AND APPARATUS

(51) International classification :H04W 16/00  
(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :PCT/CN2009/072261  
Filing Date :12/06/2009  
(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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Address of Applicant :Huawei Administration Building  
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(72)Name of Inventor :

**1)LV Yongxia**

**2)WANG Xuehuan**

**3)XIONG Xin**

**4)MO Junxian**

**5)ZHAO Qiyong**

(57) Abstract :

A system compatibility method and device are provided. The method involves sending information carried by a downlink resource according to a downlink resource configured in the new frame structure of the first system wherein the information carried by the downlink resource includes downlink resource carrier information which is compatible with the second system (110); receiving information carried by the uplink resource according to the uplink resource configured in the new frame structure of the first system wherein the information carried by the downlink resource includes uplink resource carrier information which is compatible with the second system (120). The invention reduces interference between systems enables compatibility between different systems and maximizes resource utility and system capacity.

No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9816/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : CENTRALIZED COEXISTENCE MANAGER FOR CONTROLLING OPERATION OF MULTIPLE RADIOS

(51) International classification :H04W 88/06  
(31) Priority Document No :61/221,244  
(32) Priority Date :29/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/040442  
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 :

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(72)Name of Inventor :

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**2)MANTRAVADI Ashok**

**3)VEERAVALLI Venugopal V.**

**4)BERGAN Charles A.**

**5)LINSKY Joel B.**

**6)WIETFELDT Richard D.**

**7)CHRISIKOS George**

(57) Abstract :

Systems and methodologies are described herein that facilitate a centralized structure for managing multi-radio coexistence for a mobile device and/or other suitable device(s). As described herein a control plane coexistence manager (CxM) entity and/or a data plane CxM entity can be implemented to directly interact with a set of associated transceivers (e.g. radios etc.) in order to manage conflicts between events corresponding to the transceivers. Further CxM operation can be divided between the control and data planes such that the control plane handles configuration and long-term operations such as radio registration sleep mode management long-term event resolution interaction with upper layers etc. while the data plane handles short-term operations with respect to radio event management based on incoming notifications or event requests. For instance the data plane can evaluate a set of requested events select event(s) to be executed and provide responses to the associated transceivers relating to the selection(s).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9817/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR MINIMIZING DRIVE TEST LOGGING MEASUREMENT

(51) International classification :H04W 24/08  
(31) Priority Document No :200910139467.3  
(32) Priority Date :18/06/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/073925  
Filing Date :13/06/2010  
(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)Huawei Technologies Co. Ltd.**  
Address of Applicant :Huawei Administration Building  
Bantian Longgang District Shenzhen Guangdong 518129 P.R.  
China.

(72)**Name of Inventor :**  
**1)JOHAN Johansson**  
**2)ZHANG Hongzhuo**  
**3)ZHANG Dongmei**  
**4)JIN Lei**  
**5)HUANG Ying**

(57) Abstract :

A method and apparatus for measuring the log by minimizing drive test (MDT) is provided in the embodiments of the present invention wherein the method includes the following steps: creating MDT log measurement configuration information; according to a predefined rule sending said MDT logging measurement configuration information to the connected user equipment (UE) and/or the idle UE. Through the solutions provided in the embodiments of the present invention the commercial UEs in the present network can be utilized to assist in locating problems of the network thus reducing the drive test (DT) cost.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9818/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD APPARATUS AND SYSTEM FOR TRANSMITTING CHANNEL STATE INFORMATION

(51) International classification	:H04B 7/02	(71)Name of Applicant :
(31) Priority Document No	:200910171411.6	<b>1)Huawei Technologies Co. Ltd.</b>
(32) Priority Date	:28/08/2009	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang District Shenzhen Guangdong 518129 P.R.
(86) International Application No	:PCT/CN2010/076441	China.
Filing Date	:28/08/2010	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)ZHANG Gong</b>
(61) Patent of Addition to Application	:NA	<b>2)LONG Yi</b>
Number	:NA	<b>3)HE Cheng</b>
Filing Date	:NA	<b>4)CHENG Yong</b>
(62) Divisional to Application Number	:NA	<b>5)LIU Jianneng</b>
Filing Date	:NA	

(57) Abstract :

A method device and system for transmitting channel state information (CSI) are provided which belong to the field of communications and solve the problem that it is difficult to transmit CSI information in a cooperative multiple-input multiple-output (MIMO) system in the prior art. The technical solution provided in the invention includes: obtaining the channel state information between a mobile terminal and more than two cooperative base stations; according to a preset single cell code book between the mobile terminal and each base station of the more than two cooperative base stations respectively quantifying the channel state information and obtaining a combined codeword index of the quantified channel state information in the single cell code book; transmitting the combined codeword index of the quantified channel state information in the single cell code book. The implements in the present invention can be applied in the cooperative MIMO system.

No. of Pages : 31 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9819/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

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

(51) International classification :H04W36/38  
(31) Priority Document No :2009-148143  
(32) Priority Date :22/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/059863  
Filing Date :10/06/2010  
(87) International Publication No :WO 2010/150662  
A1  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)NTT DOCOMO, INC.**  
Address of Applicant :11-1, NAGATACHO 2-CHOME,  
CHIYODA-KU, TOKYO 100-6150 Japan  
(72)**Name of Inventor :**  
**1)IWAMURA, MIKIO**  
**2)ISHII, MINAMI**  
**3)UMESH, ANIL**  
**4)HAPSARI, WURI ANDARMAWANTI**

(57) Abstract :

A radio base station according to the present invention comprising the radio base station eNB#2 comprising a transmission unit 11 configured to transmit C-RNT1 that can be used in the cell #2, to the radio base station eNB #1, in response to HO Preparation (a handover preparation signal) received from the radio base station eNB #1 that manages the cell #1, and a resource assignment unit 14 configured to notify a radio resource assigned to the mobile station UE by using C-RNTI included in HO Complete, when it is determined that C-RNTI included in HO Complete received from the mobile station UE that can be used in the cell #2.

No. of Pages : 41 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9834/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : IMAGE ENCODING DEVICE, IMAGE DECODING DEVICE, IMAGE ENCODING METHOD, AND IMAGE DECODING METHOD

(51) International classification :H04N7/32  
(31) Priority Document No :2009-130433  
(32) Priority Date :29/05/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/003553  
Filing Date :27/05/2010  
(87) International Publication No :WO 2010/137324  
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)MITSUBISHI ELECTRIC CORPORATION**  
Address of Applicant :7-3, MARUNOUCHI 2-CHOME,  
CHIYODA-KU, TOKYO 100-8310 Japan

(72)Name of Inventor :  
**1)SEKIGUCHI, SHUNICHI**  
**2)SUGIMOTO, KAZUO**  
**3)ITANI, YUSUKE**  
**4)MINEZAWA, AKIRA**  
**5)KATO, YOSHIKI**

(57) Abstract :

Disclosed is an image encoding device including a predicting unit 4 for adaptively determining the size of each motion prediction unit block according to color component signals, and for dividing each motion prediction unit block into motion vector allocation regions to search for a motion vector, and a variable length encoding unit 8 for, when a motion vector is allocated to the whole of each motion prediction unit block, performing encoding in mc\_skip mode if the motion vector is equal to an estimated vector and a prediction error signal 5 does not exist, and for, when each motion vector allocation region has a size equal to or larger than a predetermined size and a motion vector is allocated to the whole of each motion vector allocation region, performing encoding in sub\_mc\_skip mode if the motion vector is equal to an estimated vector and a prediction error signal 5 does not exist.

No. of Pages : 82 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.984/CHENP/2010 A

(19) INDIA

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

(43) Publication Date : 31/05/2013

(54) Title of the invention : FLUORINE-CONTAINING ORGANOSULFUR COMPOUND AND PESTICIDAL COMPOSITION THEREOF

(51) International classification	:C07D213/32, A01N43/40, A01N43/54	(71)Name of Applicant : <b>1)SUMITOMO CHEMICAL COMPANY, LIMITED</b> Address of Applicant :27-1, SHINKAWA 2-CHOME, CHUO-KU, TOKYO 104-8260 Japan
(31) Priority Document No	:2007-217209	(72)Name of Inventor :
(32) Priority Date	:23/08/2007	<b>1)KUMAMOTO, KOJI</b>
(33) Name of priority country	:Japan	<b>2)MIYAZAKI, HIROYUKI</b>
(86) International Application No	:PCT/JP2008/065471	
Filing Date	:22/08/2008	
(87) International Publication No	:WO 2009/025397 A1	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a fluorine-containing organosulfur compound having an excellent control effect on harmful arthropods, which is represented by the formula (I): wherein m represents 0 or 1; n represents 0, 1 or 2; A represents an optionally substituted 6-membered aromatic heterocyclic group; R1 to R4 are the same or different and represent a hydrogen atom, a C1-C4 chain hydrocarbon group optionally substituted with a halogen atom, etc.; and Q represents a C1-C5 haloalkyl group containing at least one fluorine atom, or a fluorine atom.

No. of Pages : 188 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9847/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A THERMAL INKJET PRINT HEAD WITH SOLVENT RESISTANCE

(51) International classification :B41J 2/335

(31) Priority Document No :61/221,439

(32) Priority Date :29/06/2009

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

(86) International Application No :PCT/US2010/040135

Filing Date :28/06/2010

(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)VIDEOJET TECHNOLOGIES INC.**

Address of Applicant :1500 Mittel Boulevard Wood Dale  
IL 60191 U.S.A.

(72)Name of Inventor :

**1)LAMBRIGHT Terry M.**

**2)SELMECZY Anthony**

**3)LEE Francis Chee-Shuen**

**4)HALUZAK Charles C.**

**5)TRUEBA Kenneth E.**

(57) Abstract :

An inkjet printing system includes a print head in fluid communication with an ink reservoir and having a plurality of orifices and a corresponding plurality of associated ejection chambers. The print head includes a substrate and a barrier layer disposed on the substrate. The barrier layer defines in part a plurality of fluid channels and the plurality of ejection chambers. The barrier layer includes a material selected from epoxy-based photo resist materials and methyl methacrylate-based photo resist materials. An orifice plate is disposed over the substrate. The orifice plate includes the plurality of orifices in fluid communication with the ejection chambers. The orifice plate comprises a material selected from polyimides and nickel.

No. of Pages : 27 No. of Claims : 22



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9849/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : LIGHT GUIDE PLATE HAVING EMBEDDED IMPURITIES AND METHOD FOR THE PRODUCTION THEREOF

(51) International classification	:G02B 6/00	(71)Name of Applicant :
(31) Priority Document No	:10 2009 027 288.7	<b>1)Evonik Rhm GmbH</b>
(32) Priority Date	:29/06/2009	Address of Applicant :Kirschenallee 64293 Darmstadt
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/057108	(72)Name of Inventor :
Filing Date	:25/05/2010	<b>1)SCHMIDT Jann</b>
(87) International Publication No	: NA	<b>2)ROTH Christian</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 light guide plates which are suitable for backlighting LCD monitors as well as information and advertising signs and which are illuminated at the edges and re-emit the light fed at the edges via at least one of the two surfaces located perpendicular to the edges. For the light of a light source that is fed at the edges to be able to leave the light guide plate again via one of the surfaces by overcoming total reflection the light rays in the light guide plate have to be deliberately de-flected. At one of the two surfaces of the light guide plate the light guide plates are provided with optical impurities (2) which are protected against damage by a film (5). Furthermore a method for the simplified application of said impurities is provided.

No. of Pages : 17 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9760/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :23/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : PROTEIN

(51) International classification	:C12N9/18
(31) Priority Document No	:61/220288
(32) Priority Date	:25/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2010/052868
Filing Date	:23/06/2010
(87) International Publication No	:WO 2010/150213
	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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**2)BOTT, RICHARD, R.**

**3)SORENSEN, JENS, FRISBAEK**

(57) Abstract :

The present invention relates to a method for preparing a variant lipolytic enzyme comprising expressing in a host organism a nucleotide sequence which has at least 90% identity with a nucleotide sequence encoding a fungal lipolytic enzyme and comprises at least one modification at a position which corresponds in the encoded amino acid sequence to a) the introduction of at least one glycosylation site (or one additional glycosylation site) in the amino acid sequence compared with the original fungal lipolytic enzyme; b) the introduction of at least one amino acid at a surface position on the polypeptide and at a location in an external loop distal to the active site (catalytic triad) of the enzyme which is more hydrophilic (compared with the original amino acid); or c) a substitution or insertion at one or more of positions 33, 63, 78, 190, 305, 306 or 320 or a deletion at one or more positions 311-312 or 307-319, wherein each amino acid position corresponds to the position of the amino acid sequence when aligned with SEQ ID No. 2; wherein when the nucleotide sequence has at least 90% identity with a nucleotide sequence encoding the fungal lipolytic enzyme shown in SEQ ID No. 22 or SEQ ID No. 23 the modification is not a substitution at position 63 and the deletion is not at position 311-312. Preferably the nucleotide sequence has at least 90% identity with SEQ ID No. 1. The invention also relates to polypeptide produced by the method and to novel nucleic acids.

No. of Pages : 156 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.982/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : ELECTRICAL INSTALLATION ARRANGEMENT

(51) International classification :H02H 1/00  
(31) Priority Document No :A 1234/2009  
(32) Priority Date :05/08/2009  
(33) Name of priority country :Austria  
(86) International Application No :PCT/AT2010/000193  
Filing Date :01/06/2010  
(87) International Publication No :WO 2011/014895 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)EATON INDUSTRIES (AUSTRIA) GMBH**  
Address of Applicant :EUGENIA 1, A-3943 SCHREMS  
Austria  
(72)**Name of Inventor :**  
**1)KOCH, MICHAEL**

(57) Abstract :

An arc detector comprises an analysis unit for evaluating the first measurement signal according to at least one first evaluation scheme for detecting an arc or at least one electrical effect of the arc on the electrical load network (2), wherein the electrical installation arrangement (1) further comprises at least one first tripping unit (6), which switches off the first switch (3) and disconnects the load (4) (2) in such a way if an arc is detected by the arc detector (31), wherein in order to reduce first tripping events, a second analysis and/or evaluation scheme is provided, the false evaluation scheme has a higher sensitivity than the second evaluation scheme, the second evaluation scheme is provided if a first living being of a specifiable type is present in a specifiable first surrounding area around the first load (4), and the first evaluation scheme is provided if the first living being is present in the first surrounding area.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9822/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

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

(51) International classification :H04W12/04  
(31) Priority Document No :2009-159376  
(32) Priority Date :04/07/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/061347  
Filing Date :02/07/2010  
(87) International Publication No :WO 2011/004775  
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)HAPSARI, WURI ANDARMAWANTI**  
**2)TAKAHASHI, HIDEAKI**  
**3)IWAMURA, MIKIO**  
**4)ISHII, MINAMI**  
**5)ZUGENMAIER, ALF**

(57) Abstract :

Provided is a mobile communication method which comprises: a step of transmitting X2-AP (UF): Handover Request to a wireless base station (DeNB#2) by a relay node (RN); a step of obtaining K\_eNB and MAC from a wireless base station (DeNB#1) by the wireless base station (DeNB#2); a step of generating KeNB by the wireless base station (DeNB#2) based on the obtained K\_eNB and MAC; and a step of generating K\_RRCint, KRRCenc, and KUPenc by the wireless base station (DeNB#2) based on the generated KeNB.

No. of Pages : 50 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9853/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : ESTER MIXTURES AND COMPOSITIONS COMPRISING SUCH ESTER MIXTURES

(51) International classification :A61K 8/37  
(31) Priority Document No :09008530.9  
(32) Priority Date :30/06/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/003711  
Filing Date :19/06/2010  
(87) International Publication No :WO/2011/000487  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**  
**1)COGNIS IP MANAGEMENT GMBH**  
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(72)**Name of Inventor :**  
**1)BEUCHE, MARC**  
**2)CANONVILLE, FRANCOIS**  
**3)PIAN, VALERIE**

(57) Abstract :

The present invention is directed to a mixture of esters according to the general formula (I),  $R_1-C(=O)-O-R_2$ , wherein  $R_1$  is an alkyl moiety with 5 to 11 carbon atoms and wherein  $R_2$  is a an alkyl moiety with 8 to 18 carbon atoms and wherein the mixture comprises 10 or less than 10 weight-% of ester of the general formula (I), wherein  $R_1$  is an alkyl moiety with 9 or more carbon atoms, based on the total amount of esters according to formula (I). The invention is further directed to cosmetic and/or pharmaceutical compositions comprising such esters as well as to processes for the production of such esters.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9855/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : IMAGE ENCODING DEVICE, IMAGE DECODING DEVICE, IMAGE ENCODING METHOD, AND IMAGE DECODING METHOD

(51) International classification :H04N7/32		(71)Name of Applicant : <b>1)MITSUBISHI ELECTRIC CORPORATION</b> Address of Applicant :7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8310 Japan
(31) Priority Document No	:2009-146350	
(32) Priority Date	:19/06/2009	(72)Name of Inventor : <b>1)MINEZAWA, AKIRA</b> <b>2)SEKIGUCHI, SHUNICHI</b> <b>3)SUGIMOTO, KAZUO</b> <b>4)ITANI, YUSUKE</b> <b>5)MORIYA, YOSHIMI</b> <b>6)HIWASA, NORIMICHI</b> <b>7)YAMAGISHI, SHUICHI</b> <b>8)YAMADA, YOSHIHISA</b> <b>9)KATO, YOSHIKI</b> <b>10)ASAI, KOHTARO</b> <b>11)MURAKAMI, TOKUMICHI</b>
(33) Name of priority country	:Japan	
(86) International Application No	:PCT/JP2010/003492	
Filing Date	:25/05/2010	
(87) International Publication No	:WO 2010/146771 A1	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A loop filter 6 includes a region classifying unit 12 for extracting a feature quantity of each of the regions which construct a local decoded image to classify each of the regions into the class to which the region belongs according to the feature quantity, and a filter designing and processing unit 13 for, for each class to which one or more regions, among the regions which construct the local decoded image, belong, generating a Wiener filter which minimizes an error occurring between an inputted image and the local decoded image in each of the one or more regions belonging to the class to compensate for a distortion superimposed onto the one or more regions by using the Wiener filter.

No. of Pages : 72 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9857/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEMS, METHODS, AND COMPUTER PROGRAM PRODUCTS FOR ADAPTING THE SECURITY MEASURES OF A COMMUNICATIO NETWORKK BASED ON FEEDBACK

(51) International classification :G06F11/00  
(31) Priority Document No :12/504,828  
(32) Priority Date :17/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/042043  
Filing Date :15/07/2010  
(87) International Publication No :WO 2011/008902 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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YORK, NEW YORK-10285-4900 U.S.A.

(72)Name of Inventor :

**1)BAILEY, JR., SAMUEL A.**

(57) Abstract :

An adaptable network security system includes trust mediator agents that are coupled to each network component. Trust mediator agents continuously detect changes in the security characteristics of the network and communicate the detected security characteristics to a trust mediator. Based on the security characteristics received from the trust mediator agents, the trust mediator adjusts security safeguards to maintain an acceptable level of security. Trust mediator also uses predetermined rules in determining whether to adjust security safeguards. Despite inevitable changes in security characteristics, an acceptable level of security and efficient network operation are achieved without subjecting users of the network to over burdensome security safeguards.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9862/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR VOICE SERVICE IN AN EVOLVED PACKET SYSTEM

(51) International classification :H04W 48/18

(31) Priority Document No :61/221,502

(32) Priority Date :29/06/2009

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

(86) International Application No :PCT/US2010/040489

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

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(72)**Name of Inventor :**

**1)BUCKLEY Adrian**

**2)BAKKER Jan Hendrik Lucas**

**3)FACCIN Stefano**

(57) Abstract :

A system and method for accessing voice services using a user equipment (UE) in a communication system is provided. The UE is configured to receive a first message which may include an audio session indication. The method includes the step of sending a second message in response to the first message with the second message being based on one or more voice service indicators comprising at least one value. The second message may be a response indicating not to select an alternative domain. The second message may also be a not acceptable response.

No. of Pages : 68 No. of Claims : 30



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9863/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEM AND METHOD FOR VOICE SERVICE IN AN EVOLVED PACKET SYSTEM

(51) International classification :H04W 48/18

(31) Priority Document No :61/221,509

(32) Priority Date :29/06/2009

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

(86) International Application No :PCT/US2010/040500

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

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(72)Name of Inventor :

**1)BUCKLEY Adrian**

**2)BAKKER Jan Hendrik Lucas**

**3)FACCIN Stefano**

(57) Abstract :

A method for enabling services using a network component in a communication system including a user equipment (UE) is provided. The UE is configured to require a first message which may be a SIP request. The network component is configured to create a second message or SIP request based upon the first message. The network component further configured to subsequently receive a SIP response and select a subsequent action upon receiving the SIP response.

No. of Pages : 68 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9864/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : HIGH SPEED DIVIDE-BY-TWO CIRCUIT

(51) International classification :H03K 3/356

(31) Priority Document No :12/496,875

(32) Priority Date :02/07/2009

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

(86) International Application No :PCT/US2010/040979

Filing Date :02/07/2010

(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)QUALCOMM Incorporated**

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5775 Morehouse Drive San Diego California 92121-1714  
USA.

(72)**Name of Inventor :**

**1)CHAN Ngar Loong Alan**

**2)WANG Shen**

(57) Abstract :

A high frequency divider involves a plurality of differential latches. Each latch includes a pair of cross-coupled P-channel transistors and a variable resistance element. The latch is controlled to have a lower output resistance at high operating frequencies by setting a multi-bit digital control value supplied to the variable resistance element. Controlling the latch to have a reduced output resistance at high frequencies allows the 3 dB bandwidth of the latch to be maintained over a wide operating frequency range. The variable resistance element is disposed between the two differential output nodes of the latch such that appreciable DC bias current does not flow across the variable resistance element. As a consequence, good output signal voltage swing is maintained at high frequencies, and divider current consumption does not increase appreciably at high frequencies as compared to output signal swing degradation and current consumption increases in a conventional differential latch divider.

No. of Pages : 28 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.985/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : RADIO SELF-BACKHAUL METHOD, DEVICE, AND SYSTEM

(51) International classification :H04W28/00  
(31) Priority Document No :200910089928.0  
(32) Priority Date :28/07/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/075154  
Filing Date :14/07/2010  
(87) International Publication No :WO 2011/012049 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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SHENZHEN, GUANGDONG 518129 China  
(72)**Name of Inventor :**  
**1)LI JIE**  
**2)REN QIANDONG**  
**3)QIN YALI**  
**4)YING WEIMIN**

(57) Abstract :

Embodiments of the present invention relate to a radio self-backhaul method, device, and system in an evolved network. With the radio self-backhaul method, device, and system provided in the embodiments of the present invention, the NodeB sends the uplink data to the core network by using the cable transmission link without occupying the radio resources of other NodeBs. This implements the radio self-backhaul for the NodeB, saves the radio transmission resources of the NodeB, and mitigates the impact on the radio network throughput.

No. of Pages : 27 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9872/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : MOBILE COMMUNICATION METHOD RADIO BASE STATION AND RELAY NODE

(51) International classification :H04W16/26  
(31) Priority Document No :2009-148134  
(32) Priority Date :22/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/060549  
Filing Date :22/06/2010  
(87) International Publication No :WO 2010/150776  
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)TAKAHASHI, HIDEAKI**  
**2)HAPSARI, WURI ANDARMAWANTI**  
**3)UMESH, ANIL**  
**4)IWAMURA, MIKIO**  
**5)ISHII, MINAMI**

(57) Abstract :

A mobile communication method according to the present invention comprising a step A in which, when a predetermined trigger is detected, the radio base station DeNB notifies the relay node RN of a transmission timing of an MBSFN subframe by a signal for changing the configuration of an RRC connection that is set between the radio base station DeNB and the relay node RN, a step B in which the radio base station DeNB performs scheduling such that a downlink signal is transmitted to the relay node RN at the transmission timing of the MBSFN subframe, and a step G in which the relay node RN performs scheduling such that a downlink signal is transmitted at a timing other than the transmission timing of the MBSFN subframe.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9874/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : COMPRESSION SENSOR GASKET ASSEMBLY AND METHOD OF CONSTRUCTION

(51) International classification	:F16J15/08	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:61/182,821	<b>1)FEDERAL-MOGUL CORPORATION</b>
(32) Priority Date	:01/06/2009	Address of Applicant :26555 NORTHWESTERN
(33) Name of priority country	:U.S.A.	HIGHWAY, SOUTHFIELD, MI 48033 U.S.A.
(86) International Application No	:PCT/US2010/036814	(72) <b>Name of Inventor :</b>
Filing Date	:01/06/2010	<b>1)TOTH, DAVID</b>
(87) International Publication No	:WO 2010/141412 A2	<b>2)TRIPATHY, BHAWANI</b>
(61) Patent of Addition to Application	:NA	<b>3)FRACZ, MARCIN</b>
Number	:NA	<b>4)DEFRANCESCHI, DANIELE</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A compression sensor gasket assembly and method of construction thereof is provided. The compression sensor gasket assembly includes a gasket body having opposite surfaces extending between an outer periphery and an inner periphery with the inner periphery bounding a through opening. The gasket body has a extending from the outer periphery through the inner periphery and a pressure sensor assembly releasably attached to the gasket body in the passage and being configured to sense pressure within the through opening. The pressure sensor assembly can be removed from the gasket body in service without having to disassemble clamped members from clamped abutment with the gasket assembly. Further, the pressure sensor assembly can be routed over a curved path extending between the outer and inner peripheries to navigate about features that may be present in the gasket body.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9875/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : PROCESS FOR PRODUCING CEMENTED AND SKINNED ACICULAR MULLITE HONEYCOMB STRUCTURES

(51) International classification	:C04B 41/85
(31) Priority Document No	:61/221,422
(32) Priority Date	:29/06/2009
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/US2010/039842
Filing Date	:24/06/2010
(87) International Publication No	:WO 2011/008463 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)CAI, JUN**

**2)PYZIK, ALEXSANDER, JOSEF**

(57) Abstract :

Cement compositions are used to form skins on ceramic honeycombs, or to cement smaller honeycombs to other honeycombs or other materials to form assemblies. The cement composition contains an inorganic filler, and either colloidal silica, colloidal alumina, or both. The inorganic filler and the colloidal materials individually or collectively supply silicon and aluminum atoms. The cement composition is fired in the presence of a fluorine source. A preferred fluorine source is residual fluorine that is contained in an acicular mullite honeycomb. Residual fluorine is released during the firing step, and facilitates the production of mullite in the cement composition as it is fired.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.988/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :29/04/2009

(43) Publication Date : 31/05/2013

(54) Title of the invention : PACKET ROUTING METHOD, PROXY SERVER AND APPARATUS

(51) International classification	:H04L	(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)VENKITARAMAN SARMA</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 is described of routing a packet comprising routing information between a mobile host and a correspondent host in respective first and further network domains, at least the first network domain comprising a plurality of II- subnets, said hiobile host being attached to one of said subnets. The method 1 1 comprises registering the mobile host with the first network domain, lisaid . - i) registration including assigning a global IP address and a local IP address foresaid mobile host, said local IP address being associated with the subnet to which the mobile host is attached; communicating said local IP address to said mobile host; using the global IP address as the routing information between the domains; ij reformatting said packet by replacing the global IP address with the local IP i address upon receipt of the packet in the first network domain; and communicating the reformatted request to the mobile host via the associated subnet. A proxy server and apparatus for use in this method are also disclosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9865/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : TRAJECTORY-BASED LOCATION DETERMINATION

(51) International classification :G01S 19/49  
(31) Priority Document No :61/221,981  
(32) Priority Date :30/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/040654  
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

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**1)ISCHE Marc A.**

**2)SHEYNBLAT Leonid**

**3)ROWITCH Douglas Neal**

(57) Abstract :

The subject matter disclosed herein relates to determining a location of a mobile device using an estimated trajectory of motion of the mobile device and in particular using a comparison of the estimated trajectory with one or more predetermined candidate trajectories.

No. of Pages : 30 No. of Claims : 33



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9866/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : MULTIMODE TERMINAL AVOIDING COLLISIONS BETWEEN TRANSCEIVERS

(51) International classification :H04W 72/12

(31) Priority Document No :61/221,263

(32) Priority Date :29/06/2009

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

(86) International Application No :PCT/US2010/040449

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

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(72)**Name of Inventor :**

**1)KADOUS Tamer A.**

**2)MANTRAVADI Ashok**

(57) Abstract :

Systems and methodologies are described herein that facilitate filtering or clustering of radios and/or other transceivers associated with a communication environment. As described herein potentially conflicting transceivers supported by a communications device can be managed in an expedited fashion by filtering the transceivers into respective groups or clusters of transceivers that exhibit potential collisions. For example clusters can be generated such that respective transceivers are associated with a single cluster and respective transceivers associated with a given cluster do not exhibit potential collisions with transceivers not associated with the given cluster. Clustering can be performed graphically as further described herein by generating and analyzing a graph that includes nodes corresponding to respective transceivers and edges representing potential conflicts therebetween. Additionally resolution tables can be generated using substantially all combinations of conflicting transceivers within a set of transceivers as determined based on an initial clustering and/or in any other suitable manner.

No. of Pages : 58 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9868/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :27/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : LOW POWER LO DISTRIBUTION USING A FREQUENCY-MULTIPLYING SUBHARMONICALLY INJECTION-LOCKED OSCILLATOR

(51) International classification :H03L 7/24  
(31) Priority Document No :12/496,422  
(32) Priority Date :01/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/040843  
Filing Date :01/07/2010  
(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)PARK Dongmin**

**2)SAVOJ Jafar**

(57) Abstract :

A local oscillator communicates a signal of relatively low frequency across an integrated circuit to the location of a mixer. Near the mixer a frequency-multiplying SubHarmonically Injection-Locked Oscillator (SHILO) receives the signal and generates therefrom a higher frequency signal. If the SHILO outputs I and Q quadrature signals then the I and Q signals drive the mixer. If the SHILO does not generate quadrature signals then a quadrature generating circuit receives the SHILO output signal and generates therefrom I and Q signals that drive the mixer. In one advantageous aspect the frequency of the signal communicated over distance from the local oscillator to the SHILO is lower than the frequency of the I and Q signals that drive the mixer locally. Reducing the frequency of the signal communicated over distance can reduce power consumption of the LO signal distribution system by more than fifty percent as compared to conventional systems.

No. of Pages : 32 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9869/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD FOR MAKING LAMINATED GLAZING AND LAMINATED GLAZING INCLUDING AT LEAST ONE HOLE•

(51) International classification :B32B 17/10  
(31) Priority Document No :0954167  
(32) Priority Date :19/06/2009  
(33) Name of priority country :France  
(86) International Application No :PCT/FR2010/051221  
Filing ate :18/06/2010  
(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)MARGUERITE Cdric**  
**2)LABROT Michael**

(57) Abstract :

The present invention relates to a method for making a laminated glazing (1) including a hole (2) with significant dimensions wherein the method comprises the step of providing a seal (4) after the shared edge (15) and the outer faces (13 14) of the glazing on the entire periphery of the hole the seal comprising protruding fastening members (48) applied against the outer faces of the glazing.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.989/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD FOR COATING COMPONENTS

(51) International classification :B05C1/00  
(31) Priority Document No :102010008821.8  
(32) Priority Date :22/02/2010  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2011/052623  
Filing Date :22/02/2011  
(87) International Publication No :WO 2011/101494  
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)SCHMID, JOHANNES**  
**2)REICH, KLAUS**  
**3)GAUSS, ACHIM**

(57) Abstract :

A method for coating preferably flat workpieces (10), which preferably consist at least in certain portions of wood, wood-based materials, plastic or the like, with the following process steps: provision of a workpiece (10) having at least one workpiece surface (12), in particular a narrow workpiece surface, in which the workpiece surface (12) is improved by the application of at least a first curable liquid on the workpiece surface (12) and at least partial curing of the first liquid (16);exposure to energy, in particular heating of the workpiece (10) at least on the workpiece surface (12) and/or of a coating (14) which is intended to be applied to the work piece surface (12); and application of the coating (14), in particular of an edge banding (14), on the liquid-coated workpiece surface (12) and preferably pressing of the edge banding (14) onto the liquid-coated workpiece surface (12).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9891/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND DEVICE FOR DYNAMICALLY ADJUSTING PRE EMPHASIS AND EQUALIZATION PARAMETERS OF CHIPS

(51) International classification	:H04B10/02	(71)Name of Applicant :
(31) Priority Document No	:200910108500.6	<b>1)ZTE CORPORATION</b>
(32) Priority Date	:02/07/2009	Address of Applicant :ZTE PLAZA, KEJI ROAD SOUTH,
(33) Name of priority country	:China	HI-TECH INDUSTRIAL PARK, NANSHAN SHENZHEN,
(86) International Application No	:PCT/CN2010/074158	GUANGDONG 518057. China
Filing Date	:21/06/2010	(72)Name of Inventor :
(87) International Publication No	:WO 2011/000273 A1	<b>1)JUANJUAN MA</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 discloses a method for dynamically adjusting pre-emphasis and equalization parameters of chips and a device thereof, wherein the device includes: a mapping relationship creating module, an adjusted information obtaining module and a parameter calculating module; the dynamic adjustment method comprises: the mapping relationship creating module creating an element mapping relationship table; when the plug-in board information in an optical transmission device is adjusted, the adjusted information obtaining module obtaining adjusted information and reporting to the parameter calculating module; the parameter calculating module firstly recalculating a total length of transmission lines between interconnected cards according to the adjusted plug-in board information and the element mapping relationship table, and then recalculating pre-emphasis and equalization parameter values according to the total length of transmission lines and chip types of the interconnected cards, and notifying the pre-emphasis and equalization parameter values to a master control board, which then issues the pre-emphasis and equalization parameter values to each card. By using the invention, the master control board can dynamically adjust pre-emphasis and equalization parameters and notify them to each card timely, which ensures that each card can adjust message signals according to the adjusted pre-emphasis and equalization parameters, thereby improving transmission quality of message signals.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9892/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : ETHYLENE-BASED POLYMER COMPOSITIONS

(51) International classification :C08L 23/08

(31) Priority Document No :61/222.371

(32) Priority Date :01/07/2009

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

(86) International Application No :PCT/US2010/040575

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

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**2)DEMIRORS Mehmet**

**3)HAYNE Sarah**

**4)CONG Rongjuan**

(57) Abstract :

The present invention provides an ethylene-based polymer composition characterized by a Comonomer Distribution Constant in the range of from greater than 45 to less than 400 wherein the composition has less than 120 total unsaturation unit/1 000 000C and method of producing the same.

No. of Pages : 70 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9893/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : CYLINDER-PISTON UNIT OF A DISPOSABLE INJECTOR HAVING INCREASED OPERATIONAL SAFETY

(51) International classification :A61M 5/30  
(31) Priority Document No :10 2009 031 303.6  
(32) Priority Date :30/06/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/03674  
Filing Date :17/06/2010  
(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)MATUSCH Rudolf**

(57) Abstract :

The invention relates to a cylinder-piston unit (10) of a one-time injector having at least one penetration (25) connecting the cylinder interior (31) to a face end opening (29). The end face (12) of the cylinder-piston unit comprises a press-in area (60) surrounding the opening and a press-on area (80) surrounding the press-in area. The press-in area comprises an interior bar (62) bounding the opening and an external bar (63). The bars bound a recess surrounding the interior bar the depth thereof measured parallel to the center axis (15) of the cylinder-piston unit is at least a fourth of the width thereof in a plane oriented normal thereto. The press-on area is shifted at least during an injection against the injection direction (2) toward the end face (61) of the insertion area.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9894/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : MODULAR RELAIS COMPONENTS

(51) International classification :H01H 73/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2009/072104

Filing Date :03/06/2009

(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

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Baden Switzerland

(72)Name of Inventor :

**1)ABERT Alexander**

**2)LI Eric-JiuQuan**

**3)FLEISCHMANN Juerg**

(57) Abstract :

An electrical device (1) according to the present invention is made from a first component (10) and a second component (12). The first component (10) has a functional set (10<sup>TM</sup>) and the second component (12) has a second functional set (12<sup>TM</sup>). The second component (12) is disposed in an outer shell opening (24) of the first component (10) to form the electrical device.

No. of Pages : 25 No. of Claims : 17



(12) PATENT APPLICATION PUBLICATION

(21) Application No.988/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD, BASE STATION, AND SYSTEM OF CONFIGURING RELAY LINK RESOURCES

(51) International classification :H04B7/14  
(31) Priority Document No :200910161850.9  
(32) Priority Date :31/07/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/075595  
Filing Date :30/07/2010  
(87) International Publication No :WO 2011/012088 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)HUAWEI TECHNOLOGIES CO., LTD.**  
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(72)**Name of Inventor :**  
**1)LI ZHONGFENG**

(57) Abstract :

A method, a base station, and a system of configuring relay link resources are provided according to the embodiments of the present invention. The method of configuring relay link resources includes: receiving an orthogonal frequency division multiplexing OFDM symbol number reported by a relay node RN, in which the OFDM symbol is used by a physical downlink control channel PDCCH of a multimedia multicast broadcast single frequency network MBSFN subframe where a relay link of the RN is located; and configuring relay link resources according to the OFDM symbol number, an offset, and a length of a PDCCH in an eNB subframe, in which the offset is an offset of an RN frame relative to the time when the RN frame is initially synchronized with an eNB frame, and is smaller than a sum of a length of the PDCCH of the MBSFN subframe where the relay link of the RN is located and a first idle time. The method increases relay link resources and reduces resource waste.

No. of Pages : 58 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9889/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND DEVICE OF HOST WITH IPV4 APPLICATION FOR PERFORMING COMMUNICATION

(51) International classification	:H04L12/56	(71)Name of Applicant :
(31) Priority Document No	:200910085886.3	<b>1)CHINA MOBILE COMMUNICATIONS CORPORATION</b>
(32) Priority Date	:03/06/2009	Address of Applicant :29, JINRONG AVE.,XICHENG DISTRICT, BEIJING 100032. China
(33) Name of priority country	:China	(72)Name of Inventor :
(86) International Application No	:PCT/CN2010/000793	<b>1)HUANG, BILL</b>
Filing Date	:03/06/2010	<b>2)CHEN, GANG</b>
(87) International Publication No	:WO 2010/139194 A1	<b>3)DENG, HUI</b>
(61) Patent of Addition to Application Number	:NA	<b>4)WEI, BING</b>
Filing Date	:NA	<b>5)WANG, XIAOYUN</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a method and a device of a host with IPv4 application for performing communication. The method of the host with IPv4 application for performing data communication includes the following steps: the IPv4 application generates an IPv4 packet sent to a communication end; when confirming the type of the network the host is located in is an IPv6 network, the host transforms the IPv4 packet head of the IPv4 packet to an IPv6 packet header, and sends it to the communication end via the IPv6 network. With this invention, it can be accomplished that according to the type of the network the host is located in, the host with IPv4 application communicates with a communication end; the processing load of the system is lightened; the probability that invalidation occurs at a single node is reduced; the smooth migration and transition from original IPv4 application to IPv6 system are facilitated.

No. of Pages : 53 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9908/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : AN APPARATUS FOR TRANSMITTING ELECTRICAL ENERGY

(51) International classification :A47B 88/00  
(31) Priority Document No :20 2009 004 882.9  
(32) Priority Date :03/06/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/056840  
Filing Date :18/05/2010  
(87) International Publication No :WO 2010/139551  
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)WORMANN, DIETER**

(57) Abstract :

The invention relates to a device for transmitting electrical energy between a supply component (33) arranged at a furniture body (31) and a recipient component (32) arranged on a furniture part (5) that can be moved relative to the furniture body (31), in particular a drawer that can be displaced relative to the furniture body (31), wherein the supply component (33) has an electromechanical contact set (23, 24), which can be coupled to an electromechanical contact set (16, 17) of the recipient component (32) in a closed position of the movable furniture part in order to transmit electrical energy, wherein a. the supply component (33) has a position detection unit (25, 34) coupled to an electrical control circuit (36) and an electromagnet (14, 22) that can be controlled by the electrical control circuit (36), and wherein b. the recipient component (32) has a magnetizable element (35), wherein the electromagnet (14, 30) and the magnetizable element (35) are located opposite of each other in a closed position of the movable furniture part (5) such that the contact sets (16, 17, 23, 24) can be brought into contact with each other by activating the electromagnet (14, 22).

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9910/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A METHOD FOR SECURE TRANSACTIONS

(51) International classification :G06Q20/00  
(31) Priority Document No :0950411-9  
(32) Priority Date :04/06/2009  
(33) Name of priority country :Sweden  
(86) International Application No :PCT/SE2010/050614  
Filing Date :04/06/2010  
(87) International Publication No :WO 2010/140970  
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)HULTBERG, STEFAN**

**2)WESTLING, MAGNUS**

(57) Abstract :

The present invention relates to a method for a secure transaction utilizing a portable radio communication device (10), wherein both parts in the secure transaction are protected against fraudulent actions, among other things by use of a common transaction identity on a predefined transaction server.

No. of Pages : 22 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9912/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD EQUIPMENT AND SYSTEM FOR IMPLEMENTING COORDINATED MULTI-POINT TRANSMISSION

(51) International classification	:H04B 7/06	(71)Name of Applicant :
(31) Priority Document No	:200910260758.8	<b>1)Huawei Technologies Co. Ltd.</b>
(32) Priority Date	:31/12/2009	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang District Shenzhen Guangdong 518129 P.R.
(86) International Application No	:PCT/CN2010/078713	China.
Filing Date	:15/11/2010	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)SUN Guolin</b>
(61) Patent of Addition to Application	:NA	<b>2)YE Feng</b>
Number	:NA	<b>3)GAO Xiujuan</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method terminal and system for implementing coordinated multi-point transmission are provided by the embodiments of the present invention resolving the problem that there exists phase noise in the signals received by a User Equipment (UE) end in coordinated multi-point transmission. The method for implementing coordinated multi-point transmission includes the following steps: obtaining phase difference between other coordinated cells and a current service cell by calculating a channel cross-covariance matrix between the current service cell and other coordinated cells in a coordinated multi-point transmission system (101); feeding back the phase difference corresponding to the base stations of said other coordinated cells respectively to the base stations of said other coordinated cells in order to implement phase compensation (102); receiving the signals transmitted after the phase compensation by the base stations of all the coordinated cells (103). The method, terminal and system provided by the embodiments of the present invention are applicable to the coordinated communication in various wireless networks.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9913/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : INTERFERENCE MANAGEMENT

(51) International classification :H04W 72/08

(31) Priority Document No :61/220,787

(32) Priority Date :26/06/2009

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

(86) International Application No :PCT/US2010/040080

Filing Date :25/06/2010

(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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**2)SAMPATH Hemanth**

**3)ABRAHAM Santosh P.**

(57) Abstract :

An apparatus for wireless communication is provided including a processing system. The processing system is configured to determine potential interference from communications with a first wireless node within a first coverage area through a first wireless interface and to manage the potential interference when communicating with a neighboring apparatus within a second coverage area through a second wireless interface. The second coverage area is greater than the first coverage area and the neighboring apparatus is outside the first coverage area.

No. of Pages : 23 No. of Claims : 60

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9914/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEM&NBSP; CAPSULE AND METHOD FOR PREPARING A BEVERAGE

(51) International classification :A47J 31/36  
(31) Priority Document No :09163008.7  
(32) Priority Date :17/06/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/NL2009/050821  
Filing Date :30/12/2009  
(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

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**3)POST VAN LOON ANGENITA DOROTHEA**  
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**5)BIESHEUVEL AREND CORNELIS JACOBUS**

(57) Abstract :

System comprising a capsule for preparing a predetermined quantity of beverage suitable for consumption using an extractable product comprising: a substantially rigid circumferential wall a bottom closing the circumferential wall at a first end and lid of a flexible sheet-shaped perforate and/or porous material closing the circumferential wall at a second open end opposite the bottom wherein the circumferential wall the bottom and the lid enclose an inner space comprising the extractable product wherein the lid comprises an impermeable outer circumferential area and an exit area being enclosed by said impermeable outer circumferential area such that in use the prepared beverage is drained from the capsule through the exit area. The invention further relates to a method for preparing said beverage using the above system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9915/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHODS&NBSP; APPARATUSES AND SYSTEM FOR DECENTRALIZED COEXISTENCE MANAGEMENT FOR CONTROLLING OPERATION OF MULTIPLE RADIOS

(51) International classification :H04W 16/14  
(31) Priority Document No :61/221,287  
(32) Priority Date :29/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/040439  
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

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**2)KADOUS Tamer A.**

**3)MANTRAVADI Ashok**

**4)WIETFELDT Richard D.**

**5)CHRISIKOS George**

(57) Abstract :

Systems and methodologies are described herein that facilitate a decentralized structure for managing multi-radio coexistence for a mobile device and/or other suitable device(s). As described herein a coexistence manager (CxM) and/or other suitable means can be implemented in connection with a set of radios (or other transceivers) in order to manage conflicts between events corresponding to the radios. Functionality can be divided such that the CxM operates on the control plane and handles configuration and long-term operations such as registration sleep mode management interaction with upper layers etc. while the respective radios operate on the data plane and handle short-term radio event management operations based on incoming notifications or event requests. For instance radios can identify conflicts between requested external events and internally associated events and accordingly provide responses that allow or disallow the external events on an absolute basis or a conditional basis (e.g. based on proposed event modifications).

No. of Pages : 56 No. of Claims : 74



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9895/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : LIGHTING APPARATUS

(51) International classification :F21V 14/02  
(31) Priority Document No :0909942.5  
(32) Priority Date :10/06/2009  
(33) Name of priority country :U.K.  
(86) International Application No :PCT/GB2010/050974  
Filing Date :10/06/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)**Name of Applicant :**

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(72)**Name of Inventor :**

**1)ANDREW SMITH**

(57) Abstract :

A lighting apparatus (1) with a housing (2) two parallel elongate lighting cells (5a 5b) and a concave reflector (6) configured to focus light emitted from the two lighting cells (5a 5b). The lighting cells (5a 5b) are movable with respect to one another and with respect to the reflector (3) thereby to alter the spread and/or direction of the emitted light. The housing includes removable end caps (3) each with a receptacle (33) that receive the end portion (22) of the housing (2) and a clip (35) configured to connect the end cap (3) to the housing (2). The reflector (6) includes spaced brackets (60) and a resilient reflective sheet (61) received and retained by the brackets (60).

No. of Pages : 25 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9897/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : ANALYSIS OF PACKET BASED VIDEO CONTENT

(51) International classification :H04N7/16  
(31) Priority Document No :12/494,594  
(32) Priority Date :30/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/058883  
Filing Date :23/06/2010  
(87) International Publication No :WO 2011/000747  
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)TONY MCCORMACK**  
**2)ALAN DISKIN**  
**3)NEIL O' CONNOR**

(57) Abstract :

A method, system, base station and wireless terminal are provided for transmission of a set of mixed pilots that includes both common and dedicated pilots. The method includes selecting a number D of dedicated pilots having regard to performance of the communication link, D > 0, selecting a first pre-coder for pre-coding D dedicated pilots based on some criteria, performing a first pre-coding of the D dedicated pilots with the first pre-coder to produce a set of pre-coded dedicated pilots, performing a second pre-coding of the set of pre-coded dedicated pilots and a set of common pilots to produce a set of mixed pilots, and transmitting data from the transmitter on the communication link with the set of mixed pilots.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9920/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : GATHERING INFORMATION ABOUT CONNECTIONS IN A SOCIAL NETWORKING SERVICE

(51) International classification :G06Q 99/00  
(31) Priority Document No :12/496,606  
(32) Priority Date :01/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/038023  
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

(71)Name of Applicant :

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Address of Applicant :1601 Willow Road Menlo Park CA  
94025 USA.

(72)Name of Inventor :

**1)TOM OCCHINO**

**2)OLUMAKINDE ADEGBOYEGA ADEAGBO**

(57) Abstract :

To enhance information about connections in a social networking service embodiments of the invention enable users to reference nodes while posting content to a communication channel. To identify connections within content in the social networking service users of the social networking service are provided an interface to post content items in communication channels of the social networking service. A trigger received in the interface indicates that a user wishes to identify a connection in the posted content item. Selectable links enable the user to mention another node in the social networking service when posting a content item. As users reference nodes in content items information about the connections with the referenced nodes is gathered and stored in a database that is indexable and searchable in real-time.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9925/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : AUTHENTICATION TOKEN WITH INCREMENTAL KEY ESTABLISHMENT CAPABILITY

(51) International classification	:H04L9/32	(71) <b>Name of Applicant :</b>
(31) Priority Document No	:12/501,131	<b>1)VASCO DATA SECURITY INTERNATIONAL GMBH</b>
(32) Priority Date	:10/07/2009	Address of Applicant :WORLDWIDE BUSINESS
(33) Name of priority country	:U.S.A.	CENTER, BALZ-ZIMMERMANNSTRASSE 7, CH8152
(86) International Application No	:PCT/US2010/041486	GLATTBRUGG Switzerland
Filing Date	:09/07/2010	(72) <b>Name of Inventor :</b>
(87) International Publication No	:WO 2011/006043 A1	<b>1)HOORNAERT, FRANK</b>
(61) Patent of Addition to Application	:NA	<b>2)MENNES, FREDERIK</b>
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus comprising storage for a secret key, said secret key for use in the generation of cryptographic values, and a cryptographic agent for generating said cryptographic values using said secret key, selects one of a predetermined set of key transformations in an unpredictable-way and applies said selected key transformation to said secret key prior to generating one of said cryptographic values A server receives and authenticates a credential generated using a transformed secret and derives the transformed secret, by generating a plurality of verification values using a set of known permitted transformations of a stored secret, determining whether said credential matches one of said plurality of verification values, and, if said credential matches one of said plurality of verification values, storing the corresponding one of said set of known permitted transformations as an updated value for said stored secret.

No. of Pages : 22 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9916/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MULTIPLE USER UPLINK REQUIRING MINIMAL STATION TIMING AND FREQUENCY SYNCHRONIZATION

(51) International classification :H04W 56/00

(31) Priority Document No :61/220,919

(32) Priority Date :26/06/2009

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

(86) International Application No :PCT/US2010/040085

Filing Date :25/06/2010

(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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(72)Name of Inventor :

**1)SAMPATH Hemanth**

**2)ABRAHAM Santosh P.**

**3)VERMANI Sameer**

**4)JONES IV Vincent Knowles**

(57) Abstract :

An apparatus is disclosed having a receiver configured to receive correction information; and a transmitter configured to transmit data based on the correction information through one or more antennas to one or more nodes. A method for wireless communications is also disclosed. The method includes sending correction information to a plurality of wireless nodes; receiving corrected data generated by at least one station of the plurality of wireless nodes based on the correction information; and spatially processing the corrected data.

No. of Pages : 36 No. of Claims : 89

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9917/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR MULTI-STATION REQUEST MESSAGING

(51) International classification :H04W 72/04

(31) Priority Document No :61/221,362

(32) Priority Date :29/06/2009

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

(86) International Application No :PCT/US2010/040313

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

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(72)Name of Inventor :

**1)ABRAHAM Santosh P.**

**2)SAMPATH Hemanth**

**3)VERMANI Sameer**

(57) Abstract :

A process for wireless communications is disclosed herein that includes specifying transmission parameters for a plurality of wireless nodes in a single frame; and transmitting the single frame. An apparatus for performing the process is also disclosed herein.

No. of Pages : 40 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9918/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : POWER MANAGEMENT BETWEEN MULTIPLE WIRELESS INTERFACES

(51) International classification :H04W 16/14

(31) Priority Document No :61/220,800

(32) Priority Date :26/06/2009

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

(86) International Application No :PCT/US2010/040079

Filing Date :25/06/2010

(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)TAGHAVI NASRABADI Mohammad Hossein**

**2)SAMPATH Hemanth**

**3)ABRAHAM Santosh P.**

(57) Abstract :

An apparatus for wireless communications includes a processing system. The processing system is configured to turn off a first wireless interface configured to support communications within a first coverage area. The processing system is further configured to communicate with a second apparatus using a second wireless interface configured to support communications within a second coverage area greater than the first coverage area. The processing system is further configured to turn on the first wireless interface based on the communication with the second apparatus.

No. of Pages : 24 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9919/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : TRANSMISSION OF CONTROL INFORMATION ACROSS MULTIPLE PACKETS

(51) International classification :H04L 12/56  
(31) Priority Document No :61/222,590  
(32) Priority Date :02/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/040953  
Filing Date :02/07/2010  
(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)LEUNG Nikolai Konrad Nepomucceno**

**2)ULUPINAR Fatih**

**3)GIARETTA Gerardo**

(57) Abstract :

Techniques for sending control information in the header of multiple packets are described. The techniques may allow more control information to be sent using a small number of overhead bits per packet. In one design a first node (e.g. a network entity) may determine control information to send to a second node (e.g. a UE or another network entity). The first node may send the control information in the header of multiple packets toward the second node. In one design the control information may include congestion information indicative of traffic congestion at the first node. The congestion information may be sent using Explicit Congestion Notification (ECN) bits in the header of IP packets. The first node may send the control information with or without coding and for all packets or a specific data flow. The first node may also send a synchronization sequence prior to the control information.

No. of Pages : 38 No. of Claims : 37



(12) PATENT APPLICATION PUBLICATION

(21) Application No.994/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD FOR PHYSICAL PLANT TREATMENT•

(51) International classification	:A01N 25/02
(31) Priority Document No	:10 2009 028 188.6
(32) Priority Date	:03/08/2009
(33) Nam of priority country	:Germany
(86) International Application No	:PCT/EP2010/061298
Filing Date	:03/08/2010
(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)PHILIPPS Andr**

**2)CZECH Manuel**

**3)SAEFKOW Michael**

(57) Abstract :

The present invention relates to a method for physical plant treatment by means of electrostatic charge, wherein a transfer of the electrostatic charge takes place via water treated by means of an influencing method, wherein the water comprises water clusters having an electron deficit due to the treatment by means of an influencing method, wherein the water treated by means of an influencing method can be obtained by the following process steps: introducing the water to be treated into a galvanic element, aligning the charges and free electrons in the electrical field, separating the charges by motion and the influence resulting therefrom, and collecting and removing the de-electronized, positively charged fraction. The method for physical plant treatment allows comprehensive and effective treatment of fungal diseases, simultaneously avoiding toxicological loads on the environment.

No. of Pages : 16 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9944/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : POLYPEPTIDE HAVING D-LACTATE DEHYDROGENASE ACTIVITY, POLYNUCLEOTIDE ENCODING THE POLYPEPTIDE, AND PROCESS FOR PRODUCTION OF D-LACTIC ACID

(51) International classification	:C12N 15/09	(71)Name of Applicant :
(31) Priority Document No	:2009-134213	<b>1)TORAY INDUSTRIES, INC.</b>
(32) Priority Date	:03/06/2009	Address of Applicant :1-1, NIHONBASHI-MUROMACHI
(33) Name of priority country	:Japan	2-CHOME, CHUO-KU, TOKYO 103-8666 Japan
(86) International Application No	:PCT/JP2010/059306	(72)Name of Inventor :
Filing Date	:02/06/2010	<b>1)SAWAI, KENJI</b>
(87) International Publication No	:WO 2010/140602	<b>2)SUDA, KAZUMI</b>
	A1	<b>3)SAWAI, HIDEKI</b>
(61) Patent of Addition to Application		<b>4)YAMADA, KATSUSHIGE</b>
Number	:NA	<b>5)YAMAGISHI, JUNYA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Highly productive D-lactic acid fermentation is achieved by using a transformant obtained by introducing into a host cell a polynucleotide encoding a polypeptide according to any one of the following (A) to (C) in such a manner that the polypeptide is expressed, which polypeptide has a D-lactate dehydrogenase activity higher than those of conventional polypeptides: (A) a polypeptide having the amino acid sequence shown in SEQ ID NO: 1 or 2; (B) a polypeptide having the same amino acid sequence as shown in SEQ ID NO: 1 or 2 except that one or several amino acids are substituted, deleted, inserted and/or added, which polypeptide has a D-lactate dehydrogenase activity; and (C) a polypeptide having an amino acid sequence which has a sequence identity of not less than 80% to the amino acid sequence shown in SEQ ID NO: 1 or 2, which polypeptide has a D-lactate dehydrogenase activity.

No. of Pages : 75 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9947/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : APPARATUS AND METHODS FOR LOW POWER SENSING OF WIRELESS ACCESS TECHNOLOGIES

(51) International classification	:H04W52/02	(71)Name of Applicant :
(31) Priority Document No	:61/218,552	<b>1)QUALCOMM INCORPORATED</b>
(32) Priority Date	:19/06/2009	Address of Applicant :INTERNATIONAL IP
(33) Name of priority country	:U.S.A.	ADMINISTRATION, 5775 MOREHOUSE DRIVE, SAN
(86) International Application No	:PCT/US2010/039182	DIEGO, CALIFORNIA 92121-1714 U.S.A.
Filing Date	:18/06/2010	(72)Name of Inventor :
(87) International Publication No	:WO 2010/148311 A1	<b>1)DILIP KRISHNASWAMY</b>
(61) Patent of Addition to Application	:NA	<b>2)PARAG MOHAN KANADE</b>
Number	:NA	<b>3)PARVATHANATHAN SUBRAHMANYA</b>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Apparatus and methods for low power sensing of wireless access technologies are disclosed. In particular, a mobile wireless device, such as an access terminal, may utilize a lower power circuitry portion that operates at a lower power than active circuitry, such as a primary transceiver. The lower power circuitry portion includes a configurable searcher that is capable of sensing if signals of one or more various wireless access technologies are present. When the wireless device utilizes sleep or idle modes for power savings, use of the lower power sensing circuitry to sense the presence of wireless access technologies, rather than using an awoken higher power primary transceiver for sensing, affords increased power savings. An added ability of the lower power circuitry to be put into sleep or idles modes achieves even greater power savings.

No. of Pages : 43 No. of Claims : 78

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9948/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : PERSONAL STATUS COMMUNICATIONS MANAGER

(51) International classification :H04Q3/78  
(31) Priority Document No :12/458,108  
(32) Priority Date :30/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/CA2010/000826  
Filing Date :07/06/2010  
(87) International Publication No :WO 2011/000076 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)JOHN STORRIE**  
**2)MICHAEL MENTZ**  
**3)PAUL SKIDMORE**  
**4)LYDIA CHUNG**

(57) Abstract :

A user status may be updated at one of a plurality of network entities associated with a user. Through communication between the network entity on which the update has been made and a central server, an indication of the status update may be transmitted, by the central server, to the other network entities associated with the user.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9949/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : MECHANISMS FOR INFORMATION EXCHANGE ACROSS CELLS TO FACILITATE RECEPTION IN A HETEROGENEOUS NETWORK

(51) International classification :H04B1/707  
(31) Priority Document No :61/187,589  
(32) Priority Date :16/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/038882  
Filing Date :16/06/2010  
(87) International Publication No :WO 2010/148131 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)DURGA PRASAD MALLADI**  
**3)YONGBIN WEI**  
**4)TAO LUO**  
**5)HAO XU**

(57) Abstract :

A method, an apparatus, and a computer program product for wireless communication are provided in which a signal including a signal from a UE is received. System information of a neighboring eNodeB is obtained. The received signal is processed based on the system information in order to enhance the received signal with respect to the signal from the UE.

No. of Pages : 37 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.995/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD OF FABRICATING A PART DECORATED WITH RELIEF

(51) International classification :G04B 19/10

(31) Priority Document No :09164688.5

(32) Priority Date :06/07/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2010/059085

Filing Date :25/06/2010

(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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Address of Applicant :Schild-Rust-Strasse 17 CH-2540  
Grenchen Switzerland

(72)Name of Inventor :

**1)MULLER Juliette**

(57) Abstract :

Method of fabricating a plastic part decorated with relief The invention relates to a method (1) for fabricating a part (21) with relief wherein the portions in relief (23 25 27) are at least partially coated with a decorative layer (31) including the following step: a) forming (3) the body (22) of the part (21); According to the invention the method further includes the following steps: b) selectively altering (5) the surface state of the body (22) of the part (21) in order to change the adherence thereof locally relative to said decorative layer; c) directly depositing (7) said decorative layer over the entire body (22); d) removing (9) the portions of the deposited layer (31) which have not adhered to the body (22) of the part. The invention concerns the field of methods for decorating timepieces.

No. of Pages : 15 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9938/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : INFUSED BOND LINES ON BLADES

(51) International classification :F03D 1/06  
(31) Priority Document No :61/221,919  
(32) Priority Date :30/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/DK2010/050171  
Filing Date :29/06/2010  
(87) International Publication No :WO 2011/000381 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)VESTAS WIND SYSTEMS A/S**

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Denmark

(72)Name of Inventor :

**1)PETERSEN, LEIF KAPPEL**

**2)SCHRODER, HENNING**

(57) Abstract :

The present invention relates to a method of manufacturing a wind turbine blade 1 having a first member 2 with a first joining surface and a second member 3 with a second joining surface. The method comprises applying at least one resin barrier 4,4a to one or both of the joining surfaces, and subsequently locating the first and the second members 2,3 adjacent each other so that they are joined by the at least one resin barrier 4,4a. Hereby at least one cavity is formed between the first and second joining surfaces, which cavity is delimited by the at least one resin barrier 4,4a. Subsequently resin 5 is filled into the at least one cavity, and the resin 5 is cured. In a preferred embodiment of the invention the first member 2 is a blade shell, and the second member is a blade spar 3. The Invention further relates to a wind turbine blade 1 manufactured by such a method and to a wind turbine comprising such a wind turbine blade 1.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9953/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : MOBILE STATION APPARATUS BASE STATION APPARATUS RADIO COMMUNICATION METHOD AND COMMUNICATION PROGRAM

(51) International classification :H04W52/08  
(31) Priority Document No :2009-142874  
(32) Priority Date :16/06/2009  
(33) Name of priority country :Japan  
(86) International Application No :PCT/JP2010/058750  
Filing Date :24/05/2010  
(87) International Publication No :WO 2010/146972  
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)SUZUKI, SHOICHI**

**2)YAMADA, SHOHEI**

**3)UEMURA, KATSUNARI**

**4)NAKASHIMA, DAIICHIRO**

(57) Abstract :

Transmission power of a plurality of uplink carrier components used for radio communication by a mobile station device and a base station device is efficiently controlled. The mobile station device communicates by radio with the base station device using a plurality of component carriers. The mobile station device receives, from the base station device, downlink control information that includes information indicating radio resource assignment to a downlink shared channel disposed in any of downlink component carriers of a downlink control channel and a TPC command to an uplink control channel in an uplink component carrier in which ACK/NACK to the downlink shared channel is transmitted.

No. of Pages : 108 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9957/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : COSMETIC COMPOSITION COMPRISING ENCAPSULATED SILICONE COMPOUNDS•

(51) International classification :A61K 8/11  
(31) Priority Document No :61/ 22,223  
(32) Priority Date :01/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/EP2010/059345  
Filing Date :01/07/2010  
(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)SIMONNET Jean-Thierry**

**2)GAVILLON Roxane**

(57) Abstract :

The invention relates to a cosmetic composition comprising in a physiologically acceptable medium at least one organopolysiloxane compound X having at least two alkenyl unsaturated groups at least one organohydrogensiloxane compound Y and at least one hydrosilylation catalyst and said compounds X and Y reacting together via a hydrosilylation reaction in the presence of the catalyst at least one compound among the compounds X and Y being present in said composition in a form encapsulated in silica shell microcapsules said catalyst being associated with said encapsulated compound X and/or Y or being encapsulated separately the microcapsules being in suspension in an aqueous phase. Application for the cosmetic care and/or making up of keratin materials.

No. of Pages : 42 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.996/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : PARAMETRIC IMAGES BASED ON DYNAMIC BEHAVIOUR OVER TIME

(51) International classification :G06T 7/00  
(31) Priority Document No :09169189.9  
(32) Priority Date :01/09/2009  
(33) Name of priority country :EPO  
(86) International Application No :PCT/EP2010/062816  
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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**2)ARDITI Marcel**  
**3)MERCIER Laurent**  
**4)FRINKING Peter**

(57) Abstract :

A solution for analyzing a body-part of a patient is proposed. A corresponding data-processing method (A1-A14) includes the steps of providing (A1) a sequence of input images representing the body-part over an analysis period each input image including a set of input values each one being indicative of a response to an interrogation signal of a corresponding location of the body-part at a corresponding acquisition instant included in the analysis period associating (A2 A3 A4 A6) an analysis function of time with each one of a set of selected locations the analysis function modeling a trend of the input values of the selected location in the sequence of input images and providing (A2<sup>TM</sup> A4<sup>TM</sup> A5 A6<sup>TM</sup>) a reference function of time for the analysis functions; in the solution according to an embodiment of the invention the data-processing method further includes comparing (A7) the analysis function of each selected location with the reference function

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9960/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : BROMINATED AND EPOXIDIZED FLAME RETARDANTS

(51) International classification :C08F 8/08  
(31) Priority Document No :61/222,069  
(32) Priority Date :30/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/039260  
Filing Date :18/06/2010  
(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)VOGEL Erin B.**  
**2)MURRAY Daniel J.**  
**3)KRAM Shari L.**  
**4)KING Bruce**

(57) Abstract :

Brominated and epoxidized organic compounds are useful flame retardants for polymers such as polystyrene. The organic compounds contain both bromine and oxirane groups and have molecular weights of at least 1500. The brominated and epoxidized organic compounds can be prepared by sequentially brominating and epoxidizing (in either order) a starting compound that contains multiple non-conjugated carbon-carbon double bonds.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9961/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : PROCESS TO OBTAIN A MIXTURE OF LOWER CARBOXYLIC MONO&NBSP; DI AND TRIESTERS FROM RAW GLYCERIN

(51) International classification :C07C 67/08

(31) Priority Document No :09164316.3

(32) Priority Date :01/07/2009

(33) Name of priority country :EPO

(86) International Application No :PCT/IB2010/001576

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

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(72)Name of Inventor :

**1)SCHUCH Maria Cristina**

**2)IACOVONE Aires**

(57) Abstract :

The present invention concerns an optimized process to obtain a mixture of lower carboxylic acid mono di and triesters from raw glycerin a by-product of the process to obtain biodiesel a transscstification of vegetable raw material with lower alchols. The invention particularly refers to an optimized process to obtain triacetin or a mixture of mono- di- and triacetin from that raw glycerin without prior purification.

No. of Pages : 22 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9962/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A METHOD AND AN APPARATUS FOR CONTINUOUSLY STERILIZING WATER FOR SPRAYING THE PISTONS IN A PISTON PUMP OR A HOMOGENIZER

(51) International classification :C02F 9/10  
(31) Priority Document No :0900901-0  
(32) Priority Date :02/07/2009  
(33) Name of priority country :Sweden  
(86) International Application No :PCT/SE2010/000173  
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)JOHANSSON Fredrik**

(57) Abstract :

The present invention relates to a method and an apparatus for continuously sterilizing water for spraying the pistons in a piston pump or a homogenizer. The heating takes place in a first stage in a first heat exchanger (3) and in a second stage in a second heat exchanger (5). The first heat exchanger (3) operates regeneratively so that incoming cold water is heated in the first heat exchanger (3) by water which has been heated by steam in the second heat exchanger. After the second heat exchanger (5) the water is at a temperature of at least 1210°C and is to stay at this temperature in a holding cell (8) during a predetermined period of time. After the water has been cooled regeneratively in the first heat exchanger (3) it is to be at a temperature which exceeds 75°C.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9963/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND APPARATUS FOR COMPENSATING FOR TRANSCEIVER IMPAIRMENTS

(51) International classification :H04B 1/30  
(31) Priority Document No :12/494,862  
(32) Priority Date :30/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/038573  
Filing Date :15/06/2010  
(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)HEUTMAKER Michael Steven**  
**2)HONCHARENKO Walter**

(57) Abstract :

A method for compensating a transceiver for impairments includes transmitting a plurality of partial bandwidth training signals using a transmitter. A plurality of response signals of a receiver having a bandwidth and exhibiting receiver impairments is captured. Each response signal is associated with one of the partial bandwidth training signals. Each of the partial bandwidth training signals is associated with a portion of the receiver bandwidth. A plurality of partial compensation filters is generated based on the plurality of response signals. Each partial compensation filter is associated with one of the response signals. The partial compensation filters are combined to configure a receiver compensation filter operable to compensate for the receiver impairments.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9964/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND APPARATUS TO PERFORM ANTENNA MANAGEMENT

(51) International classification :H04B 7/02

(31) Priority Document No :61/220,039

(32) Priority Date :24/06/2009

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

(86) International Application No :PCT/US2010/039670

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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**2)CAI Zhijun**

**3)LI Jun**

**4)FONG Mo-Han**

**5)CREASY Timothy**

**6)EARNSHAW Mark**

**7)HEO YOUN Hyoung**

(57) Abstract :

A method of establishing communication between user equipment and a network includes receiving a control channel message decoding the control channel message and sending an indication of whether interoperability of receiving signals from a first number of antennas is certified for the user equipment

No. of Pages : 47 No. of Claims : 52

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9965/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND COMMUNICATION DEVICE FOR ASSIGNING SCHEDULING GRANT

(51) International classification :H04W 72/12  
(31) Priority Document No :200910088051.3  
(32) Priority Date :01/07/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/074883  
Filing Date :01/07/2010  
(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)YAN Kun**

**2)LI Jing**

**3)FAN Shuju**

**4)GAO Yongqiang**

**5)MA Xueli**

(57) Abstract :

The present invention discloses a method and a communication device for assigning a scheduling grant. The method for assigning a scheduling grant includes: receiving a grant value, an E-TFCI offset value, and a data stream identifier corresponding to the E-TFCI offset value, where the grant value, the E-TFCI offset value, and the data stream identifier are returned by a Node B and the E-TFCI offset value is determined by the Node B according to data transmitted by a mobile terminal through two data streams, and the two data streams include a data stream identified by the data stream identifier and the other data stream; determining, according to the grant value, a transport block size of the data stream identified by the data stream identifier in a current TTI; and determining a transport block size of the other data stream in the current TTI according to the transport block size and the E-TFCI offset value, in the embodiments of the present invention the MIMO technology may be applied to the HSUPA technology, in order to improve spectrum utilization, coverage performance, and user peak rate in an uplink direction, and ensure demodulation performance of an uplink data stream at a receiving end.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9966/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHODS AND APPARATUS TO REGISTER WITH EXTERNAL NETWORKS IN WIRELESS NETWORK ENVIRONMENTS

(51) International classification	:H04W 60/00	(71)Name of Applicant :
(31) Priority Document No	:61/226,208	<b>1)Research In Motion Limited</b>
(32) Priority Date	:16/07/2009	Address of Applicant :295 Phillip Street Waterloo Ontario
(33) Name of priority country	:U.S.A.	N2L 3W8 Canada
(86) International Application No	:PCT/IB2010/053248	(72)Name of Inventor :
Filing Date	:16/07/2010	<b>1)MONTEMURRO Michael</b>
(87) International Publication No	: NA	<b>2)MCCANN Stephen</b>
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Example methods and apparatus to register with external networks in wireless network environments are disclosed. A disclosed example method involves sending a registration request from the device to a network entity and receiving a registration response at the device. The registration response indicates one or more registration plans. The example method also involves selecting a registration plan from the one or more registration plans and sending registration information associated with the device to the network entity. The registration information is selected based on the selected registration plan.

No. of Pages : 58 No. of Claims : 89

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9967/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD&NBSP; SYSTEM AND NETWORK DEVICE FOR IMPLEMENTING HTTP-BASED STREAMING SERVICE

(51) International classification	:H04L 29/08	(71)Name of Applicant :
(31) Priority Document No	:201010282187.0	<b>1)Huawei Technologies Co. Ltd.</b>
(32) Priority Date	:09/11/2009	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang District Shenzhen Guangdong 518129 P.R.
(86) International Application No	:PCT/CN2010/078343	China.
Filing Date	:02/11/2010	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)ZHANG Shaobo</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 for implementing a Hyper Text Transfer Protocol (HTTP)-based streaming service is disclosed in the embodiments of the present invention. The method includes: a server receives a request from a client, and returns, to the client according to a request for a media presentation description file, a response that carries the media presentation description file; the server sets up a time synchronization relationship with the client; and the server receives a uniform resource locator from the client, obtains a corresponding media fragment file, and returns the media fragment file to the client for playing on the client, where the uniform resource locator is a uniform resource locator of a media fragment that is determined by the client and is required to be played, and is used for the client to request the media fragment file from the server.

No. of Pages : 37 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9968/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

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

(51) International classification :G06F 11/22  
(31) Priority Document No :200910188485.0  
(32) Priority Date :30/11/2009  
(33) Name of priority country :China  
(86) International Application No :PCT/CN2010/079142  
Filing Date :25/11/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(72)Name of Inventor :

**1)WANG Feizhou**

**2)TAO Lin**

**3)LI Yi**

**4)CHANG Lin**

(57) Abstract :

A method and a system for diagnosing an apparatus are provided. The method for diagnosing the apparatus comprises: determining whether the apparatus is to enter a diagnostic mode after a system is started; performing a diagnosis of the apparatus by executing a diagnostic program when the apparatus is determined to enter the diagnostic mode; and performing a normal BIOS or EFI startup when the apparatus is determined not to enter the diagnostic mode. An accurate diagnosis of the apparatus can be realized by firstly determining whether the apparatus is to enter a diagnostic mode after a system is started, if yes, then the apparatus entering the diagnostic mode, and if not, then the apparatus performing a normal BIOS or EFI startup. Moreover, in case of a memory or PCI/PCIB bus error in the apparatus, since the diagnostic program is loaded prior to the BIOS startup, the fault can be diagnosed.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9969/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :29/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD&NBSP; COMMUNICATION APPARATUS AND COMMUNICATION SYSTEM FOR HANDOVER PROCESSING

(51) International classification	:H04W 36/00
(31) Priority Document No	:200910146740.5
(32) Priority Date	:22/06/2009
(33) Name of priority country	:China
(86) International Application No	:PCT/CN2010/074223
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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**1)QIN Yali**

(57) Abstract :

A handover processing method communication apparatus and communication system for handover processing are disclosed by the embodiments of the present invention. The handover processing method includes: when a terminal supporting the optimized handover and the non-optimized handover capability needs a handover from a first network to a second network determining whether the terminal is not able to perform the optimized handover in which the authentication and authorization are accomplished before the handover to the second network; if the terminal is determined not able to perform the optimized handover performing the non-optimized handover in which the authentication and authorization are performed after the handover to the second network. A communication apparatus and communication system are also provided correspondingly in the embodiments of the present invention. With the technical schemes in the embodiments of the present invention handover between different networks in more scenarios is enabled.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9970/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : MEMS TUNABLE RESONATOR IN A CAVITY

(51) International classification :H03H 9/46  
(31) Priority Document No :12/488,404  
(32) Priority Date :19/06/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/039374  
Filing Date :21/06/2010  
(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)PARK Sang-June**

(57) Abstract :

Tunable MEMS resonators having adjustable resonance frequency and capable of handling large signals are described. In one exemplary design, a tunable MEMS resonator includes (i) a first part (160) having a cavity (180) and a post (170) and (ii) a second part (110) mated to the first part (160) and including a movable plate (140) located under the post (170). Each part may be covered with a metal layer (130, 190) on the surface facing the other part. The movable plate (140) may be mechanically moved by a DC voltage to vary the resonance frequency of the MEMS resonator. The cavity (180) may have a rectangular or circular shape and may be empty or filled with a dielectric material. The post (170) may be positioned in the middle of the cavity (180). The movable plate (140) may be attached to the second part (i) via an anchor (144) and operated as a cantilever or (ii) via two anchors (146, 148) and operated as a bridge.

No. of Pages : 33 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9972/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : USING LO SHIFTING TO PREVENT A LOCAL TRANSCEIVER FROM INTERFERING WITH AN FM RADIO

(51) International classification :H04B 1/10  
(31) Priority Document No :61/224,382  
(32) Priority Date :09/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/041435  
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

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**2)BLESSENT Luca**

**3)LI Xiaoyong**

**4)APTE Rahul A.**

(57) Abstract :

A cellular telephone includes cellular telephone circuitry and an FM receiver. An FM signal being received is downconverted by a mixer. The downconverted signal is processed to generate an FM signal that is supplied to a digital IF filter. If a blocker emitted by the cellular telephone circuitry would interfere with receiving of the FM signal due to interaction of an LO harmonic with the blocker if a conventional LO frequency were used then a different LO frequency is used. Subsequent processing of the downconverted FM signal (for example by a digital complex conjugate selector and an IF rotator) results in the signal supplied to the digital IF filter having the same center frequency as the digital IF filter despite the use of the different LO frequency. In some embodiments the LO is shifted by different amounts depending on cellular telephone mode and on the FM signal.

No. of Pages : 43 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9974/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : A METHOD FOR SECURE TRANSACTIONS

(51) International classification :G06Q20/00  
(31) Priority Document No :0950408-5  
(32) Priority Date :04/06/2009  
(33) Name of priority country :Sweden  
(86) International Application No :PCT/SE2010/050613  
Filing Date :04/06/2010  
(87) International Publication No :WO 2010/140969  
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)HULTBERG, STEFAN**

**2)WESTLING, MAGNUS**

(57) Abstract :

The present invention relates to a method for a secure transaction, wherein a buying part utilizes a portable radio communication device (10), wherein the secure transaction preferably is performed by mobile payment through NFC, and otherwise by use of a predefined identify on a predefined transaction server.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.998/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND PRIMERS FOR THE DETECTION OF MYCOBACTERIUM TUBERCULOSIS

(51) International classification :C12Q 1/68  
(31) Priority Document No :200904595-6  
(32) Priority Date :03/07/2009  
(33) Name of priority country :Singapore  
(86) International Application No :PCT/SG2010/000251  
Filing Date :05/07/2010  
(87) International Publication No :WO/2011/002418  
(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)TAN TOCK SENG HOSPITAL**  
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**1)INOUE, MASAFUMI**  
**2)BARKHAM, TIMOTHY**

(57) Abstract :

The disclosure provides oligonucleotide(s) for simple, specific and/or sensitive test(s) for the presence of Mycobacterium tuberculosis. In particular, the present disclosure provides oligonucleotide(s) for test(s) for Mycobacterium tuberculosis. Kit(s) comprising the oligonucleotide(s) for use as probe(s) and/or primer(s) useful in the test(s) are also provided.

No. of Pages : 37 No. of Claims : 18



(12) PATENT APPLICATION PUBLICATION

(21) Application No.9980/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : METHOD AND SYSTEM FOR FEMTO CELL SELF-TIMING AND SELF-LOCATING

(51) International classification	:H04J 3/06	(71)Name of Applicant :
(31) Priority Document No	:12/510,916	<b>1)QUALCOMM Incorporated</b>
(32) Priority Date	:28/07/2009	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/US2009/062875	USA.
Filing Date	:30/10/2009	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)KETCHUM John W.</b>
(61) Patent of Addition to Application	:NA	<b>2)NAGARAJ Srinath</b>
Number	:NA	<b>3)BHATIA Ashok</b>
Filing Date	:NA	<b>4)KATZFEY Eric J.</b>
(62) Divisional to Application Number	:NA	<b>5)DAITA Lalitaprasad V.</b>
Filing Date	:NA	<b>6)BARUAH Sekharjyoti</b>

(57) Abstract :

Devices and methods are provided for providing self-timing and self-locating in an access point (AP) base station. In one embodiment the method involves receiving Satellite Positioning System (SPS) signals from a first data source (e.g. plurality of satellites) wherein the SPS signals may include SPS time data SPS frequency data and SPS position data. The method may further involve obtaining from a second data source (e.g. cell site terrestrial navigation station server user input interface etc.) at least one of second time data second frequency data and second position data and determining relative reliability of the first and second data sources.

No. of Pages : 70 No. of Claims : 75

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9983/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : ENHANCEMENTS FOR MULTI-MODE SYSTEM SELECTION (MMSS) AND MMSS SYSTEM PRIORITY LISTS (MSPLS)

(51) International classification :H04W 48/20  
(31) Priority Document No :61/226,991  
(32) Priority Date :20/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/042659  
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 :

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
USA.

(72)Name of Inventor :

**1)YOON Young Cheul**

**2)BALASUBRAMANIAN Srinivasan**

**3)RAMACHANDRAN Shyamal**

**4)SWAMINATHAN Arvind**

(57) Abstract :

A mobile device or access terminal of a wireless wide area network (WWAN) communication system is provisioned for Multi-Mode System Selection (MMSS) wherein an MMSS System Priority List (MSPL) is used with respect to the underlying system selection priority list (e.g. Private Land Mobile Network (PLMN) list). Relating a current location to one or more entries in an MMSS Location Associated Priority List (MLPLs) enables scaling a range of entries in the PLMN list indicating whether the MSPL apply to the entire list of PLMNs stored in an access terminal or to some subset of the PLMN List. Similarly the present innovation addresses whether the MSPL applies to the entire Preferred Roaming List (PRL) or some subset of a geo-spatial location (GEO) area.

No. of Pages : 60 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9984/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : SYSTEMS AND METHODS FOR REDUCING AVERAGE CURRENT CONSUMPTION IN A LOCAL OSCILLATOR PATH

(51) International classification :H04B 1/40

(31) Priority Document No :61/226,165

(32) Priority Date :16/07/2009

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

(86) International Application No :PCT/US2010/042193

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

(71)Name of Applicant :

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration

5775 Morehouse Drive San Diego California 92121-1714

USA.

(72)Name of Inventor :

**1)QIAO Dongjiang**

**2)ASURI Bhushan S.**

**3)DENG Junxiong**

**4)BOSSU Frederic**

(57) Abstract :

A method for reducing average current consumption in a local oscillator (LO) path is disclosed. An LO signal is received at a master frequency divider and a slave frequency divider. Output from the master frequency divider is mixed with an input signal to produce a first mixed output. Output from the slave frequency divider is mixed with the input signal to produce a second mixed output. The second mixed output is forced to be in phase with the first mixed output.

No. of Pages : 38 No. of Claims : 34

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9986/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : RESOLUTION ALGORITHMS FOR MULTI-RADIO COEXISTENCE

(51) International classification :H04W 88/06  
(31) Priority Document No :61/224,327  
(32) Priority Date :09/07/2009  
(33) Name of priority country :U.S.A.  
(86) International Application No :PCT/US2010/041611  
Filing Date :09/07/2010  
(87) International Publication No : NA  
(61) Patent of Addition to Application  
Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(71)Name of Applicant :

**1)QUALCOMM Incorporated**

Address of Applicant :Attn: International IP Administration  
5775 Morehouse Drive San Diego California 92121-1714  
USA.

(72)Name of Inventor :

**1)MANTRAVADI Ashok**

**2)KADOUS Tamer A.**

(57) Abstract :

Systems and methodologies are described herein that facilitate resolution between respective radios associated with a multi-radio wireless device. As described herein various techniques can be utilized with a multi-radio coexistence manager and/or other suitable mechanisms associated with a wireless device to perform joint resolution for multiple associated radios thereby providing performance enhancements over conventional piecewise radio resolution schemes. Various exhaustive decoupled and progressive radio resolution algorithms are provided herein by which respective sets of parameters (e.g. transmit powers interference targets frequency sub-bands radio frequency knob settings etc.) can be selected for respective potentially conflicting radios to enable such radios to operate in coexistence. Further techniques are provided herein for utilizing a graph theoretic algorithm for progressive radio resolution. In addition a generic power resolution algorithm can be modified to provide support for multi-transmitter interference mechanisms by employing modifications such as joint power resolution and/or one-pass or iterative interference partitioning.

No. of Pages : 61 No. of Claims : 59

(12) PATENT APPLICATION PUBLICATION

(21) Application No.9987/CHENP/2011 A

(19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 31/05/2013

(54) Title of the invention : QUANTUM REPEATER AND SYSTEM AND METHOD FOR CREATING EXTENDED ENTANGLEMENTS

(51) International classification	:H04L 9/08	(71)Name of Applicant :
(31) Priority Document No	:0911275.6	<b>1)HEWLETT-PACKARD DEVELOPMENT COMPANY</b>
(32) Priority Date	:30/06/2009	<b>L.P.</b>
(33) Name of priority country	:U.K.	Address of Applicant :11445 Compaq Center Drive West
(86) International Application No	:PCT/EP2009/064071	Houston TX 77070 U.S.A.
Filing Date	:26/10/2009	<b>2)NATIONAL INSTITUTE OF INFORMATICS</b>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application	:NA	<b>1)Keith Alexander HARRISON</b>
Number	:NA	<b>2)William MUNRO</b>
Filing Date	:NA	<b>3)Kae NEMOTO</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method is provided of creating an end-to-end entanglement (89) between qubits in first and second end nodes (81L 81R) of a chain of optically-coupled nodes whose intermediate nodes (80) are quantum repeaters. Local entanglements (85) are created between qubits in neighbouring pairs in the chain through interaction of the qubits with light fields transmitted between the nodes. A trigger (82) propagated along the chain from one end node (81L) sequentially enables each quantum repeater (100; 210) to effect a top-level cycle of operation. In each such cycle a repeater (80) initiates a merging of two entanglements involving respective repeater qubits that are at least expected to be entangled with qubits in nodes disposed in opposite directions along the chain from the repeater. A quantum repeater (80) adapted for implementing this method is also provided.

No. of Pages : 76 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.997/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/01/2012

(43) Publication Date : 31/05/2013

(54) Title of the invention : INSULIN PREPARATIONS CONTAINING METHIONINE

(51) International classification :A61K 9/10  
(31) Priority Document No :10 2009 031 748.1  
(32) Priority Date :06/07/2009  
(33) Name of priority country :Germany  
(86) International Application No :PCT/EP2010/059436  
Filing Date :02/07/2010  
(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)Sanofi-Aventis Deutschland GmbH**  
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Frankfurt am Main Germany  
(72)**Name of Inventor :**  
**1)SCHOETTLE Isabell**  
**2)HAGENDORF Annika**  
**3)FUERST Christiane**  
**4)HAUCK Gerrit**  
**5)SIEFKE-HENZLER Verena**  
**6)KAMM Walter**  
**7)SCHNIEDERS Julia**

(57) Abstract :

The invention relates to an aqueous pharmaceutical formulation having insulin an insulin analog or an insulin derivative and methionine; and to the production thereof to the use thereof for treating diabetes mellitus and to a medication for treating diabetes mellitus.

No. of Pages : 42 No. of Claims : 31

**PUBLICATION U/S 60 IN RESPECT OF APPLICATION FOR  
RESTORATION OF PATENTS (KOLKATA)**

Notice is hereby given that application for restoration of under mentioned patents have been allowed and said patents are restored.

Serial No.	Application Nos.	Patent No.	Applicants	Title	Date of Publication U/R 84(3)	Appropriate Office
1	1091/KOLNP/2004	205826	TREFIMETAUX S.A.,	GROOVED METAL TUBES .	09/10/2009	KOLKATA
2	1683/KOLNP/2003	219331	SMITH , JEFFREY,B	ZINC CONTAINING COMPOSITIONS FOR ANTI-VIRAL USE	10/06/2011	KOLKATA
3	1437/KOLNP/2005	225647	STONE & WEBSTER PROCESS TECHNOLOGY, INC.	A PROCESS FOR CRACKING HYDROCARBONS USING IMPROVED FURNACE REACTOR TUBES	30/03/2012	KOLKATA
4	198/CAL/1996	187453	UNIVERSITE DE SHERBROOKE	A DEVICE FOR CONDUCTING A SEARCH IN A CODE BOOK	18/06/2010	KOLKATA

### **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	186158	1461/DEL/1997	02/06/1997	17/06/1996	A PROCESS FOR THE PREPARATION OF 2-CHLOROMETHYLPHENYL ACETIC ACID	ZENECA LIMITED,		DELHI
2	189740	1512/DEL/1998	03/06/1998		AN IMPROVED PROCESS FOR THE ISOLATION OF METHYL EUGENOL OIL FROM A NEW SOURCE OF PLANT SP. CYMBOPOGON FLEXUOSUS VAR. SIKKIMENTSIS	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH		DELHI
3	190816	1244/DEL/1996	07/06/1996	07/06/1995	METHOD AND APPARATUS FOR FORMING STRINGS OF POCKETED SPRINGS	DREAMWELL, LTD.		DELHI
4	196908	1214/DEL/1996	04/06/1996		A PROCESS FOR TREATMENT OF A VENT GAS STREAM FROM AN INDUSTRIAL PROCESS	BP CORPORATION NORTH AMERICA.,	25/03/2005	DELHI
5	256259	2774/DELNP/2004	19/03/2003	21/03/2002	APPARATUS AND METHOD FOR THE POWER MANAGEMENT OF RECHARGEABLE BATTERIES OF OPERATIVELY CONNECTED DEVICES	M/S. THOMSON LICENSING S.A	09/10/2009	DELHI
6	256262	2324/DELNP/2004	04/03/2003	06/03/2002	INDOLAMID DERIVATIVES WHICH POSSESS GLYCOGENPHOSPHORYLASE INHIBITORY ACTIVITY	ASTRAZENECA AB	29/05/2009	DELHI
7	256272	1980/DELNP/2004	20/12/2002	21/12/2001	METHOD FOR PREPARING AQUEOUS DISPERSIONS OF POLYMER PARTICLES	UNIVERSITY OF SYDNEY	11/05/2007	DELHI
8	256281	179/DELNP/2004	28/03/2003	29/03/2002	A CHARACTERS ENTRY DEVICE USED FOR GEREATING CHARACTERS AND METHOD THEREBY	NEOPAD INC	13/03/2009	DELHI
9	256296	3811/DELNP/2007	16/11/2005	08/12/2004	PEROXIDE VULCANIZABLE BUTYL COMPOSITIONS FOR RUBBER ARTICLE	LANXESS INC.	24/08/2007	DELHI



10	256297	3638/DELNP/2004	01/05/2002	01/05/2002	A PRIMARY MOBILE DEVICE FOR WIRELESS NETWORK COMPUTING	META4HAND INC	30/11/2007	DELHI
11	256298	4036/DELNP/2006	17/12/2004	19/12/2003	METHOD FOR COMPRESING AND PROCESSING AN IMAGE BLOCK AND SYSTEMS THEREOF	TELEFONAKTIEBOLA GET LM ERICSSON (PUBL)	24/08/2007	DELHI
12	256301	726/DEL/2004	15/04/2004	30/04/2003	A METHOD FOR REPAIRING THERMAL COATINGS	GENERAL ELECTRIC COMPANY	16/06/2006	DELHI
13	256302	4473/DELNP/2008	07/02/2007	07/02/2006	HIGH PRESSURE FLUIDIZED BED REACTOR FOR PREPARING GRANULAR POLCRYSTALLINE SILICON	KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY	15/08/2008	DELHI

### **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256264	2259/MUM/2007	15/11/2007		SUSPENSION SYSTEM FOR VEHICLES	TATA MOTORS LIMITED	28/12/2007	MUMBAI
2	256275	1981/MUM/2007	05/10/2007		A TYRE PRESSURE ADJUSTMENT SYSTEM	TATA MOTORS LIMITED	14/12/2007	MUMBAI
3	256278	1821/MUM/2006	01/11/2006		A METAL MATRIX CERAMIC COMPOSITE (MMCC) WEAR PART AND METHOD OF PREPARING THE SAME	AIA ENGINEERING LTD.	08/08/2008	MUMBAI
4	256279	1032/MUMNP/2009	13/12/2007	20/12/2006	COMPOSITE MATERIALS HAVING IMPROVED THERMAL PERFORMANCE	SAINT-GOBAIN CERAMICS & PLASTICS, INC.	26/06/2009	MUMBAI
5	256280	1817/MUMNP/2009	22/05/2008	30/05/2007	ENHANCED DELIVERY OF CERTAIN FRAGRANCE COMPONENTS FROM PERSONAL CARE COMPOSITIONS	HINDUSTAN UNILEVER LIMITED	05/08/2011	MUMBAI
6	256284	1258/MUMNP/2008	04/12/2006	23/12/2005	COSMETIC COMPOSITION WHICH IS A WATER - IN - OIL EMULSION	HINDUSTAN UNILEVER LIMITED	08/08/2008	MUMBAI
7	256286	54/MUMNP/2004	22/01/2004	09/07/2001	PROTECTIVE HEADGEAR AND PROTECTIVE ARMOUR AND A METHOD OF MODIFYING PROTECTIVE HEADGEAR AND PROTECTIVE ARMOUR	PHILLIPS HELMETS LIMITED	29/04/2005	MUMBAI
8	256303	982/MUMNP/2006	16/02/2005	17/02/2004	A CONTACT LENS PACKAGE	MENICON SINGAPORE PTE LTD.	20/04/2007	MUMBAI
9	256308	680/MUM/2004	23/06/2004		TAMPER PROOF PADLOCK FOR SWITCHING DEVICES	LARSEN & TOUBRO LIMITED	16/06/2006	MUMBAI

### **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	256263	803/CHENP/2008	08/09/2006	10/09/2005	METHOD, SYSTEM AND APPARATUS FOR GAME DATA TRANSMISSION	TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED	21/08/2009	CHENNAI
2	256265	4432/CHENP/2006	03/05/2005	03/05/2004	A METHOD OF ISSUING A CREDENTIAL DOCUMENT	HID Global Corporation	29/06/2007	CHENNAI
3	256266	1031/CHE/2005	28/07/2005	30/07/2004	METHOD OF PROVIDING ACCESS TO ENCRYPTED CONTENT TO ONE OF A PLURALITY OF CONSUMER SYSTEMS, DEVICE FOR PROVIDING ACCESS TO ENCRYPTED CONTENT AND METHOD OF GENERATING A SECURE CONTENT PACKAGE	IRDETO ACCESS B.V	05/10/2007	CHENNAI
4	256273	2874/CHENP/2008	07/12/2006	09/12/2005	METHOD FOR MANUFACTURING CLAD MATERIAL	KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)	06/03/2009	CHENNAI
5	256274	2438/CHENP/2007	30/11/2005	07/12/2004	METHOD FOR PREPARING CYCLOHEXANONE	RHODIA CHEMIE	07/09/2007	CHENNAI
6	256277	1712/CHENP/2006	16/11/2004	17/11/2003	A METHOD AND A DEVICE FOR REPORTING THE NUMBER OF CORRECTLY DECODED TRANSPORT BLOCKS IN A WIRELESS SYSTEM	Core Wireless Licensing S.a.r.l	29/06/2007	CHENNAI
7	256283	1972/CHE/2005	30/12/2005		METHOD FOR SELECTING AN ACCESS POINT FOR HANDOFF BASED ON DIRECTION OF MOVEMENT OF A MOBILE NODE	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	27/07/2007	CHENNAI
8	256285	464/CHENP/2006	06/08/2004	06/08/2003	QUALITY OF SERVICE SUPPORT AT AN INTERFACE BETWEEN MOBILE AND IP NETWORK	NOKIA CORPORATION	06/07/2007	CHENNAI

9	256290	2461/CHE/2007	29/10/2007		A WATER FILLABLE CUSHION AND A METHOD OF MANUFACTURE THEREOF	PRADEEP RANGANATHAN	30/11/2007	CHENNAI
10	256291	1824/CHENP/2007	29/09/2005	30/09/2004	MODULAR LAYERED HEATER SYSTEM	WATLOW ELECTRIC MANUFACTURING COMPANY	31/08/2007	CHENNAI
11	256292	2912/CHENP/2006	10/02/2005	12/02/2004	A DOMESTIC REFRIGERATOR	WHIRLPOOL CORPORATION	08/06/2007	CHENNAI
12	256293	1517/CHE/2006	24/08/2006		METHOD FOR COMMUNICATING CELL-SPECIFIC INFORMATION TO A USER EQUIPMENT IN A WIRELESS COMMUNICATION ENVIRONMENT	SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LIMITED	12/09/2008	CHENNAI
13	256294	3225/CHENP/2008	23/11/2005	23/11/2005	METHOD FOR PRODUCING DECORATIVE ELEMENTS, PARTICULARLY INSIGNIA	DEMAK S.r.l.	06/03/2009	CHENNAI
14	256295	4553/CHENP/2006	03/05/2005	12/05/2004	A CONDOM APPLICATOR	MULDER, Roelof	29/06/2007	CHENNAI
15	256299	2742/CHENP/2004	05/06/2003	05/06/2002	DYEING POLYESTER TEXTILE MATERIALS	CLARIANT FINANCE (BVI) LIMITED	10/02/2006	CHENNAI
16	256300	2065/CHENP/2008	11/10/2006	27/10/2005	DISPRESSION POWDERS CONTAINING FATTY ACID ANHYDRIDES	WACKER CHEMIE AG	27/02/2009	CHENNAI

### **Publication Under Section 43(2) in Respect of the Grant**

**Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.**

Serial Number	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	213631	14/KOLNP/2005	07/07/2003	09/07/2002	WATERPROOF AND BREATHABLE SOLE FOR SHOES	GEOX S.P.A.	06/01/2006	KOLKATA
2	256267	2995/KOLNP/2007	24/01/2006	24/01/2005	INFLATABLE CUSHIONING DEVICE WITH MANIFOLD SYSTEM	MPL, LTD.	19/10/2007	KOLKATA
3	256268	1763/KOLNP/2006	07/01/2005	08/01/2004	SYSTEM FOR PACKET DATA SERVICE IN THE MIXED NETWORK OF ASYNCHRONOUS COMMUNICATION NETWORK AND SYNCHRONOUS COMMUNICATION NETWORK AND HAND-OVER METHOD THEREOF	SK TELECOM CO., LTD.	11/05/2007	KOLKATA
4	256269	1831/KOLNP/2006	13/01/2005	16/01/2004	NOZZLE DEVICE AND METHOD FOR PROCESSING A MATERIAL FOR PROCESSING WITH A PROCESSING MEDIUM	ATOTECH DEUTSCHLAND GMBH	11/05/2007	KOLKATA
5	256270	712/KOLNP/2007	25/08/2005	27/08/2004	A METHOD AND A SYSTEM FOR UPDATING A PLURALITY OF MONITORING MODELS	SIEMENS CORPORATION, SIEMENS ENERGY INC.	13/07/2007	KOLKATA
6	256271	3757/KOLNP/2006	20/06/2005	21/06/2004	METHOD AND DEVICE FOR TRANSMITTING INFORMATION THROUGH A POWER DISTRIBUTION NETWORK	WATTECO	15/06/2007	KOLKATA
7	256276	3207/KOLNP/2007	14/04/2006	14/04/2005	METHOD AND DEVICE FOR MEASURING DOUBLE REFRACTION OF OPTICAL FIBER, METHOD OF MEASURING POLARIZATION MODE DISPERSION OF OPTICAL FIBER AND OPTICAL FIBER	FUJIKURA LTD.	04/01/2008	KOLKATA
8	256282	1912/KOLNP/2007	21/11/2005	24/11/2004	3-[2-(3-ACYLAMINO-2-OXO-2H-PYRIDIN-1-YL)-ACETYLAMINO]-4-OXO-PENTANOIC ACID DERIVATIVES AS CASPASE INHIBITORS	VERTEX PHARMACEUTICALS INCORPORATED	10/08/2007	KOLKATA

9	256287	1032/KOLNP/2003	07/03/2002	07/03/2001	A CONSTRUCTIONAL PANEL AND METHOD OF FORMING THEREOF	BLUESCOPE STEEL LIMITED	08/07/2005	KOLKATA
10	256288	1704/KOLNP/2006	19/05/2005	25/06/2004	AN UNDERGROUND WATER STORAGE TANK	TOTETU MFG. CO. LTD.	11/05/2007	KOLKATA
11	256289	1602/KOL/2007	27/11/2007	08/12/2006	A MULTI-SPEED DUAL CLUTCH TRANSMISSION	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	11/07/2008	KOLKATA
12	256304	3151/KOLNP/2006	25/04/2006	30/04/2005	A METHOD, A USER TERMINAL AND SERVER FOR OBTAINING ACCESS LOCATION INFORMATION OF AN ACCESS NETWORK	HUAWEI TECHNOLOGIES CO., LTD.	08/06/2007	KOLKATA
13	256305	672/KOLNP/2007	26/09/2005	28/09/2004	OPTICAL DISC AND OPTICAL DISC APPARATUS	PANASONIC CORPORATION	06/07/2007	KOLKATA
14	256306	3671/KOLNP/2006	25/05/2004	25/05/2004	METHOD AND APPARATUS FOR DETECTING THE WIRING PHASE OF AN ARBITRARY UNKNOWN PHASE VOLTAGE RELATIVE TO A REFERENCE PHASE VOLTAGE	ENEL DISTRIBUZIONE S.P.A.	15/06/2007	KOLKATA
15	256307	1061/KOLNP/2005	21/10/2003	05/11/2002	A PROCESS FOR PREPARING TRIAMINOTRIPHENYL METHANE COLORANT	CLARIANT PRODUKTE (DEUTSCHLAND) GMBH	30/06/2006	KOLKATA

***CONTINUED TO PART- 2***