



New connection on: : 23-08-2018 : 04:07:11 - Last disconnection on: : 22-08-2018 : 01:48:49  
V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

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[EPODOC: SS 1] opportunities and spectral

Results in EPODOC 8

[SS 2] ..v

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| 1/8                                                                                 | © EPODOC / EPO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PN                                                                                  | - <a href="#">CN106937256</a> A 20170707                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PR                                                                                  | - CN2017119586 20170112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| AP                                                                                  | - CN2017119586 20170112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| DT                                                                                  | - I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CNOI                                                                                | - <a href="#">H04W4/06</a> ; <a href="#">H04W40/22</a> ; <a href="#">H04W72/005</a> ; <a href="#">H04W72/0453</a> ; <a href="#">H04W72/0473</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CCA                                                                                 | - <a href="#">Y02D70/39</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PA                                                                                  | - UNIV XIDIAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| TI                                                                                  | - NOMA (Non-Orthogonal Multiple Access) technology based cooperative multicast transmission method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| AB                                                                                  | - The invention discloses an NOMA technology based cooperative multicast transmission method. The method comprises the steps that S1) a base station constructs a unicast user candidate set; S2) the base station selects optimal unicast users d<n*> and multicast users from the user candidate set, and the selected users access the network at the same time; S3) the base station sends signals SBS(t) to all the multicast users and optimal unicast users d<n*>; S4) after receiving the SBS(t), the unicast users d<n*> decode multicast user signals S0(t), a step S5) is turned to if decoding succeeds, and otherwise, a step S6) is turned to; S5) the unicast users d<n*> remove the S0(t) from the SBS(t) via a successive interference cancellation technology, and then decode expected signals S1(t) and forward the multicast user signals, the multicast users receive the forwarded signals and merge the forwarded signals with signals received from the base station, and expected signals S0(t) are decoded; and S6) the unicast users d<n*> and the multicast users decode the signals SBS(t) to obtain the expected signals S1(t) and S0(t) of the themselves directly and respectively. Thus, the anti-interruption performance of multicast communication can be improved, transmission <b>opportunities</b> are provided for the unicast users, the <b>spectral</b> efficiency is improved, and the method can be applied to a multimedia multicast transmission system. |

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PN - [RU2616227](#) C1 20170413  
PR - RU20160117313 20160505  
AP - RU20160117313 20160505  
DT - I  
CT - || STSE (C1)  
[RU2400736](#) C1 20100927 [ ] (G OBRAZOVATEL NOE UCHREZHDENIE [RU]);  
[RU2056627](#) C1 19960320 [ ] (INST ELEKTROFIZIKI URAL OTDEL [RU]);  
[RU2000434](#) C1 19930907 [ ] (IONKINA ELENA A [RU], et al);  
[RU2145105](#) C1 20000127 [ ] (INERAL NOGO SYR JA IM N M FEDO, et al);  
[US5818577](#) A 19981006 [ ] (GEN ELECTRIC [US]);  
[JP2001021494](#) A 20010126 [ ] (SUMITOMO METAL IND)  
CNOA - [G01N23/223](#)  
PA - FED GOSUDARSTVENNOE AVTONOMNOE OBRAZOVATELNOE UCHREZHDENIE VYSSHEGO  
OBRAZOVANIYA NATSIONALNYJ ISSLED [RU]  
TI - METHOD FOR DETERMINING **SPECTRAL** RADIATION COMPOSITION OF INTRINSIC AND  
EXTRINSIC DEFECTS IN QUARTZ RAW MATERIAL  
AB - FIELD: physics.SUBSTANCE: sampling the quartz raw materials, calcining, obtaining  
luminescence spectra of the prepared samples under X-ray excitation (X-ray  
fluorescence spectra) are performed. Calcining is performed up to 500°C, the  
luminescence spectra of the prepared samples are prepared under X-ray excitation in  
the optical wavelength range of 200-800 nm, the **spectral** composition of the sample  
radiation is compared in the calcined and uncalcined samples at different X-radiation  
(irradiation) time, and the **spectral** composition of the intrinsic defect radiation is  
determined according to the radiation intensity enhance in the X-ray bands ( $\lambda$ , nm) 280,  
320-340, 360-380, 390-400, 450-470 in the calcined samples; the **spectral** composition  
of the impurity defect radiation is determined according to the radiation intensity  
enhance in the X-ray bands ( $\lambda$ , nm) 330-360, 370-390, 390-420, 420-440, 470-520, 510-  
570 after the repeated irradiation.EFFECT: providing the **opportunities** to increase  
rapidity and reliability of the preliminary assessment of the quartz raw material  
quality.6 dwg

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PN - [RU2015125056](#) A 20170110  
PNFP - RU2613767 C2 20170321  
PR - RU20150125056 20150625  
AP - RU20150125056 20150625  
DT - I  
CT - || STSE (C2)  
[RU2464601](#) C1 20121020 [ ] (PELENG AOOT [BY]);  
[RU2437051](#) C1 20111220 [ ] (TSENTRAL NOE KB FOTON AOOT [RU]);  
[RU70357U](#) U1 20080120 [ ] ;  
[RU2267734](#) C2 20060110 [ ] ;  
[WO2015075036](#) A1 20150528 [ ] (RHEINMETALL SOLDIER ELECTRONICS GMBH [DE])  
CNOA - (C2)  
[F41G1/34](#)  
PA - (C2)  
PUBLICHNOE AKTSIONERNOE OBSHCHESTVO KRASNOGORSKIY ZAVOD IM S A ZVEREVA [RU]  
TI - (C2)  
COMMANDER SIGHTING AND SURVEILLANCE COMPLEX  
AB - (C2)  
FIELD: physics.SUBSTANCE: four channels are fixed in the casing of the combined  
commander's sight, the common optical components of which are the protective head  
glass and the stabilized head mirror. The first channel of the combined sight is the  
daytime sighting channel with optical zoom and with the built-in laser rangefinder  
channel, which, in turn, is the second channel. The third channel of the combined sight

is the thermal imaging channel, and the fourth - the daytime surveillance channel without optical zoom.EFFECT: providing **opportunities** for the commander to conduct independently the area review in the infrared **spectral** range and to control the terrain observed by the gunner both in the visible and in the infrared range.3 cl 4 dwg

|      |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4/8  | © EPODOC / EPO |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PN   | -              | <a href="#">RU2015116426</a> A 20161127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PNFP | -              | RU2620993 C2 20170530                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PR   | -              | US201261708444P 20121001; WO2013SE50517 20130508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| AP   | -              | RU20150116426 20130508                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DT   | -              | I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CT   | -              | STSE (C2)<br><a href="#">US2011205976</a> A1 20110825 [ ] (NOKIA SIEMENS NETWORKS OY);<br><a href="#">WO2012023759</a> A2 20120223 [ ] (LG ELECTRONICS INC [KR], et al);<br><a href="#">WO2012061358</a> A2 20120510 [ ] (ALCATEL LUCENT USA INC [US], et al);<br><a href="#">RU2360364</a> C2 20090627 [ ] (QUALCOMM INC [US])                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CCI  | -              | <a href="#">H04W8/24</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CQI  | -              | <a href="#">H04W36/0005</a> ; <a href="#">H04W48/08</a> ; <a href="#">H04W52/34</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CNOI | -              | (C2)<br><a href="#">H04W8/24</a> ; <a href="#">H04W8/245</a> ; <a href="#">H04W36/0005</a> ; <a href="#">H04W48/08</a> ; <a href="#">H04W52/34</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CCA  | -              | <a href="#">Y02D70/1262</a> ; <a href="#">Y02D70/1242</a> ; <a href="#">Y02D70/1246</a> ; <a href="#">Y02D70/1244</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PA   | -              | (C2)<br>TELEFONAKTIEBOLAGET L M ERIKSSON (PABL) [SE]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| TI   | -              | (C2)<br>ISSUE-INDEPENDENT MODIFICATIONS OF NETWORK SETTINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| AB   | -              | (C2)<br>FIELD: information technology.SUBSTANCE: there is a method provided for user equipment (UE) operation in a wireless data network, comprising of: UE (10) which transmits the UE radio access capabilities to a base station in a wireless data network; wherein the UE (10) radio access capabilities are transmitted in a data unit containing a field adapted to provide for the base station designation that the UE supports modification of radio parameters, hereby the field contains a bitmap, with a value of at least one bit in the bitmap indicating support for modification of maximum minimization of power and/or <b>spectral</b> emission requirements.EFFECT: provision of <b>opportunities</b> to the user equipment to transmit signals of its possibilities of receiving modifications or additions to the network signal values, which makes it possible to use issue-independent modifications of network settings.25 cl, 4 dwg |

|      |                |                                                                                                                                                                                                                                                                                                                     |
|------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5/8  | © EPODOC / EPO |                                                                                                                                                                                                                                                                                                                     |
| PN   | -              | <a href="#">US2014066085</a> A1 20140306                                                                                                                                                                                                                                                                            |
| PNFP | -              | US8948776 B2 20150203                                                                                                                                                                                                                                                                                               |
| PR   | -              | US201313738924<br>20130110; US201261697237P<br>20120905                                                                                                                                                                                                                                                             |
| AP   | -              | US201313738924 20130110                                                                                                                                                                                                                                                                                             |
| DT   | -              | *; Rep                                                                                                                                                                                                                                                                                                              |
| CT   | -              | R141 (A1)<br><a href="#">US2009186646</a> A1 20090723 [ ] (AHN HYUN GI [KR], et al);<br><a href="#">US2009247201</a> A1 20091001 [ ] (YE ZHUAN [US], et al);<br><a href="#">US2010093360</a> A1 20100415 [ ] (CHOI HYUN HO [KR], et al);<br><a href="#">US2010248760</a> A1 20100930 [ ] (LI DONGDONG [US], et al); |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <p><a href="#">US2010271948</a> A1 20101028 [ ] (CHALLAPALI KIRAN S [US], et al);</p> <p><a href="#">US2011249587</a> A1 20111013 [ ] (DENG MINZHI [CN], et al);</p> <p><a href="#">US2012163355</a> A1 20120628 [ ] (HEO JUN [KR], et al);</p> <p><a href="#">US2012289236</a> A1 20121115 [ ] (XU LIMEI [US], et al);</p> <p><a href="#">US2012315855</a> A1 20121213 [ ] (LI LINGJIE [CA], et al)</p>                                                                                                                                                                                                                                                                                                                                                 |
|     | <p>-    STSE (B2)</p> <p><a href="#">US2009186646</a> A1 20090723 [ ] (AHN HYUN GI [KR], et al);</p> <p><a href="#">US2009247201</a> A1 20091001 [ ] (YE ZHUAN [US], et al);</p> <p><a href="#">US2010093360</a> A1 20100415 [ ] (CHOI HYUN HO [KR], et al);</p> <p><a href="#">US2010248760</a> A1 20100930 [ ] (LI DONGDONG [US], et al);</p> <p><a href="#">US2010271948</a> A1 20101028 [ ] (CHALLAPALI KIRAN S [US], et al);</p> <p><a href="#">US2011249587</a> A1 20111013 [ ] (DENG MINZHI [CN], et al);</p> <p><a href="#">US2012163355</a> A1 20120628 [ ] (HEO JUN [KR], et al);</p> <p><a href="#">US2012289236</a> A1 20121115 [ ] (XU LIMEI [US], et al);</p> <p><a href="#">US2012315855</a> A1 20121213 [ ] (LI LINGJIE [CA], et al)</p> |
| CCI | - <a href="#">H04W72/082</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CUA | - <a href="#">Y02D70/00</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PA  | <p>- (A1)</p> <p>UNIV HONG KONG SCIENCE &amp; TECHN [CN]</p> <p>- (B2)</p> <p>UNIV HONG KONG SCIENCE &amp; TECHN [CN]; DYNAMIC INV LLC [SC]</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| TI  | <p>- (A1)</p> <p>SECONDARY USER SELECTION IN COOPERATIVE SENSING SCHEDULING</p> <p>- (B2)</p> <p>Secondary user selection in cooperative sensing scheduling</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AB  | <p>- (A1 B2)</p> <p>Cooperative <b>spectral</b> channel sensing techniques are applied in a cognitive radio network (CRN). Network characteristics and target parameter thresholds can be determined. An overall number of secondary users (SUs) assigned to sense a number of primary user (PU) channels can be determined. Further, it can be determined how many SUs to assign to sense each PU channel. In one aspect, SUs are allowed to access to PU channels based on</p>                                                                                                                                                                                                                                                                         |

spectrum **opportunities**  
determined by the  
cooperative **spectral** channel  
sensing techniques.

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PN - [RU2406300](#) C1 20101220  
PR - RU20090119010 20090519  
AP - RU20090119010 20090519  
DT - I  
PA - EREMIN JURIJ VIKTOROVICH [RU]  
TI - METHOD OF FISHING AND CATCHING MARINE INVERTEBRATES  
AB - FIELD: agriculture. ^ SUBSTANCE: invention may be used in the fishery of aquatic organisms positively reacting to light. Method of catching fish and marine invertebrates is to place on the perimetre of the boat of light sources parallel to the water surface for at least two levels with the possibility of rotation about the vertical and/or one of the horizontal axis and/or towards their longitudinal axis, at that the power of light sources placed on the lower level is lower than the power of light sources located on the upper level. Concentration of catch is carried out by displacement of commercial peak of the **spectral** characteristic of light sources located on the lower level, towards the red light and/or their alternate turning-off towards the light sources located above the gear. Preferably, the light sources of the upper level with a capacity of up to 5 kW are placed above the deck at the height of the upper tier of ship masts. At the lower level the lamps are used with capacity from 0.5 to 1.5 kW. Upon completion of the concentration with the well-known techniques the object of fishing is captured, the gear is raised, and the catch is notched. ^ EFFECT: provision of **opportunities** for regulation of the light field in a wide range at all stages of fishing, from attraction the object of fishing to its seizure by fishing gear, which contributes to the efficiency of fishing. ^ 4 cl, 11 dwg

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PN - [US6473524](#) B1 20021029  
PR - US19990292060 19990414  
AP - US19990292060 19990414  
DT - \*; Rep  
CT - || STSE (B1)  
[US4974260](#) A 19901127 [ ] (EASTMAN KODAK CO [US]);  
[US5428692](#) A 19950627 [ ] (KUEHL EBERHARD [DE]);  
[US5465309](#) A 19951107 [ ] (IBM [US]);  
[US6212299](#) B1 20010403 [ ] (MATSUSHITA ELECTRIC IND CO LTD [US])  
CCI - [G06K9/344](#) ; [G06K9/685](#)  
CCA - [G06K2209/01](#)  
PA - VIDEK INC [US]  
TI - Optical object recognition method and system  
AB - An iterative application of an optical object recognition method, such as an OCR method, with enhancements and modifications yields improved speed and accuracy. In the exemplary embodiment, after an initial pass of the OCR method on a document image, unrecognized blobs are grouped into unknown regions to which the OCR method is applied via an analysis window. If the contents of the analysis window remain unrecognized at a starting position in a given unknown region, the window can be moved within the unknown region to provide more **opportunities** to recognize the unknown region's contents. Recognized characters are recorded, and the portions of the unknown regions in which they appeared are removed. This pass of the OCR method recognizes characters in blobs containing multiple characters. After all unknown regions have been analyzed, remaining unrecognized blobs are regrouped into new unknown regions according to particular relationships, such as spatial or **spectral**

relationship, and predetermined criteria, such as relative distance or frequency distribution. The OCR method is then applied to the new unknown regions. This pass of the OCR method recognizes characters that have been split into multiple blobs.

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- PN - [WO9204615](#) A1 19920319
- PR - CH19900002855 19900903
- AP - WO1991CH00173 19910815
- DT - \*; Rep
- CT - |EP| ISR (A1)  
[US3687519](#) A [X];  
[US4241998](#) A [X];  
[GB2049924](#) A [X];  
[EP0274403](#) A2 [A];  
[EP0367647](#) A1 [A];  
[US4881811](#) A [A];  
[GB2203834](#) A [A];  
[JPS61155735](#) A [A]
- CTNP - |EP| ISR (A1)  
[A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 358 (P-522)(2415) 2.  
Dezember 1986 & JP,A,61 155 735 ( SHIMADZU CORP ) 15. Juli  
1986 siehe Zusammenfassung
- CCI - [G01J3/42](#) ; [G01J3/50](#) ; [G01J3/502](#) ; [G01N21/255](#)
- CCA - [G01J2001/1636](#) ; [G01J2003/102](#) ; [G01J2003/421](#) ; [G01J2003/425](#) ; [G01N2021/3133](#) ;  
[G01N2021/4773](#)
- PA - STERN JOSEF [CH]
- TI - SPECTRUM ANALYSIS AND ABSORPTION MEASURING PROCESS WITH  
CONTROLLED **SPECTRAL**RANGE
- AB - The novel spectrum analysis and absorption measurement process with  
controlled **spectral** range provides new facilities for spectrum analysis and the  
measurement of small uneven objects. The use of centring beams makes it possible to  
measured objects in depth (translucence, opalescence). The use of a CCD sensor instead  
of the PIN photodiode makes it possible to measure entire 3-dimensional bodies by  
spectrum analysis. Contact-free measurement means that this measuring process  
provides new **opportunities** on the production line and in the automatic production of  
textiles, paper, paints, foodstuffs, etc.