



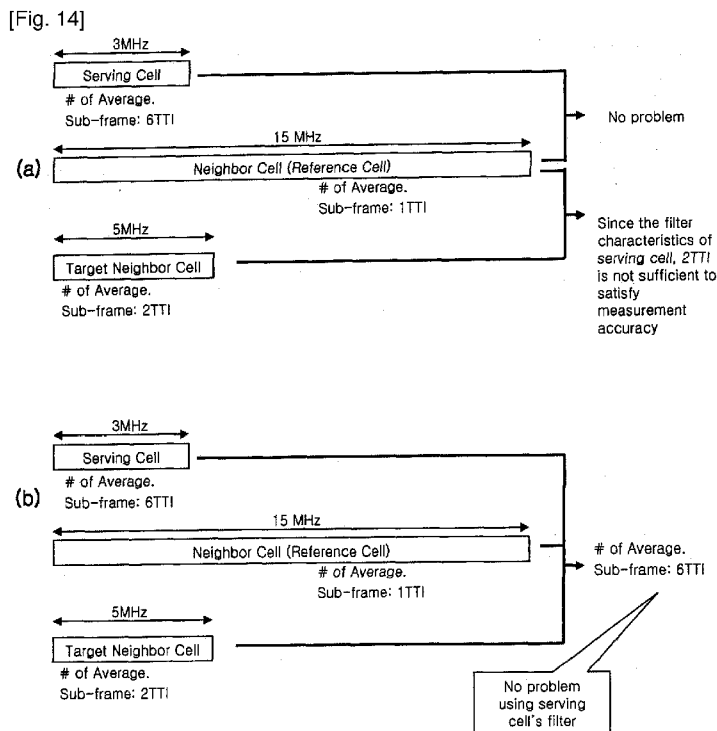
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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(54) Title: TECHNIQUES FOR MEASURING A LOCATION OF UE



(57) Abstract: The present invention provides a method for measuring a location. The method comprises: receiving, by a User Equipment (UE) and from a serving cell, information on a bandwidth allocated for a positioning reference signal (PRS); receiving, by the User Equipment (UE) and from at least one or more neighbor cells, information on a bandwidth allocated for a PRS; determining whether there is a difference between the bandwidths; and measuring, by the UE and based on a result of the determination a timing difference between PRSs transmitted from the serving cell and the at least one or more neighbor cells.

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UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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**A. CLASSIFICATION OF SUBJECT MATTER*****H04W 64/00(2009.01)i, G01S 5/02(2010.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

H04W 64/00; H04W 72/00; H04W 36/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: location , bandwidth, difference , cell

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0239034 A1 (DAE WON LEE et al.) 23 September 2010 See claims 1-15 and figures 1-33.	1-14
A	US 2010-0265842 A1 (AAMOD DINKAR KHANDEKAR et al.) 21 October 2010 See claims 1-50 and figures 1-14.	1-14
A	US 2010-0278141 A1 (YUNG SHIRLEY CHOI-GROGAN et al.) 04 November 2010 See claims 1-38 and figures 1-16.	1-14

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/KR2011/009493**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010-0239034 A1	23.09.2010	AU 2010-225571 A1 CN 102356680 A EP 2409536 A2 KR 10-2010-0105347 A WO 2010-107224 A2 WO 2010-107224 A3	23.09.2010 15.02.2012 25.01.2012 29.09.2010 23.09.2010 23.09.2010
US 2010-0265842 A1	21.10.2010	CN 102405681 A EP 2422579 A2 KR 10-2012-0022998 A WO 2010-124031 A2 WO 2010-124031 A3	04.04.2012 29.02.2012 12.03.2012 28.10.2010 28.10.2010
US 2010-0278141 A1	04.11.2010	None	