Title (en)

PARTIALLY SYNCHRONIZED MULTILATERATION OR TRILATERATION METHOD AND SYSTEM FOR POSITIONAL FINDING USING RF

Title (de)

VERFAHREN ZUR TEILWEISE SYNCHRONISIERTEN MULTILATERATION ODER TRILATERATION UND SYSTEM ZUR POSITIONSFINDUNG MITHILFE VON HF

Title (fr)

PROCÉDÉ ET SYSTÈME DE MULTILATÉRATION OU TRILATÉRATION PARTIELLEMENT SYNCHRONISÉE DESTINÉS À LA RECHERCHE DE POSITION À L'AIDE DE SIGNAUX RF

Publication

EP 3210040 A1 20170830 (EN)

Application

EP 15853177 A 20151026

Priority

- US 201462068537 P 20141024
- US 2015057418 W 20151026

Abstract (en)

[origin: WO2016065368A1] Systems and methods for determining a location of user equipment (UE) in a wireless system can comprise receiving reference signals via a location management unit (LMU) having two or more co-located channels, wherein the two or more co-located channels are tightly synchronized with each other and utilizing the received reference signals to calculate a location of the UE, Some systems may include multichannel synchronization with a standard deviation of less than or equal 10 ns. Some systems may include two LMUs, with each LMU having internal synchronization, or one LMU with tightly synchronized signals.

IPC 8 full level

G01S 19/23 (2010.01)

CPC (source: CN EP KR US)

G01S 5/0218 (2020.05 - CN EP KR US); **G01S 5/06** (2013.01 - CN EP KR); **G01S 5/14** (2013.01 - CN EP KR US); G01S 2205/06 (2020.05 - CN EP KR US)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016065368 A1 20160428; CN 107407732 A 20171128; CN 107407732 B 20201013; CN 107797090 A 20180313; CN 107797090 B 20210713; EP 3210040 A1 20170830; EP 3210040 A4 20180613; EP 3349032 A1 20180718; HK 1246856 A1 20180914; HK 1246857 A1 20180914; JP 2018109639 A 20180712; JP 2018500540 A 20180111; JP 6697451 B2 20200520; KR 102145095 B1 20200818; KR 102166575 B1 20201019; KR 20170086524 A 20170726; KR 20180008859 A 20180124

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US 2015057418 W 20151026; CN 201580071160 A 20151026; CN 201710954827 A 20151026; EP 15853177 A 20151026; EP 18157335 A 20151026; HK 18106291 A 20180515; HK 18106299 A 20180515; JP 2017522391 A 20151026; JP 2018026810 A 20180219; KR 20177013881 A 20151026; KR 20187000024 A 20151026