

Title (en)

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

Title (de)

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

Title (fr)

PROCÉDÉ ET SYSTÈME DE MULTILATÉRATION/TRILATÉRATION PARTIELLEMENT SYNCHRONISÉE POUR UNE RECHERCHE DE POSITION À L'AIDE DE SIGNAUX RADIOFRÉQUENCES

Publication

EP 3175668 A1 20170607 (EN)

Application

EP 15827815 A 20150731

Priority

- US 201462032371 P 20140801
- US 2015043321 W 20150731

Abstract (en)

[origin: WO2016019354A1] Systems and methods for determining a location of one or more user equipment (UE) in a wireless system can comprise receiving reference signals via a location management unit 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 at least one UE among the one or more UE. Embodiments include multichannel synchronization with a standard deviation of less than or equal 10 ns. Embodiments can include two LMUs, with each LMU having internal synchronization, or one LMU with tightly synchronized signals.

IPC 8 full level

H04W 72/04 (2009.01)

CPC (source: EP KR US)

G01S 1/20 (2013.01 - EP KR); **G01S 5/021** (2013.01 - EP KR); **G01S 5/0218** (2020.05 - EP KR US); **G01S 5/02216** (2020.05 - EP KR US); **H04W 64/00** (2013.01 - KR); **H04W 64/00** (2013.01 - EP)

Cited by

CN112532547A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016019354 A1 20160204; CN 106922219 A 20170704; CN 106922219 B 20201204; EP 3175668 A1 20170607; EP 3175668 A4 20180815; JP 2017531934 A 20171026; JP 2019194607 A 20191107; JP 2022008675 A 20220113; JP 6557849 B2 20190814; JP 7256241 B2 20230411; KR 102166578 B1 20201019; KR 20170042613 A 20170419

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