

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 A4 20180815 (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); **G01S 1/20** (2006.01); **G01S 5/02** (2010.01); **H04W 64/00** (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)

Citation (search report)

- [XYI] US 2014120947 A1 20140501 - SIOMINA IANA [SE]
- [XYI] US 2013130710 A1 20130523 - BOYER PETE A [US], et al
- [Y] WO 2014093400 A1 20140619 - MARKHOVSKY FELIX [US], et al
- See references of WO 2016019354A1

Cited by

CN112532547A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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