Title (en)
TIME AND POWER BASED WIRELESS LOCATION AND METHOD OF SELECTING LOCATION ESTIMATE SOLUTION

Title (de)
ZEIT- UND LEISTUNGSBASIERTER DRAHTLOSER STANDORT UND VERFAHREN ZUR AUSWAHL EINER STANDORTMESSUNGSANWENDUNG

Title (fr)
LOCALISATION SANS FIL BASÉE SUR TEMPS ET PUISSANCE ET PROCÉDÉ DE SÉLECTION DE SOLUTION D'ESTIMATION DE LOCALISATION

Publication
EP 2898342 A4 20160629 (EN)

Application
EP 13839144 A 20130919

Priority
• US 201213624654 A 20120921
• US 2013060719 W 20130919

Abstract (en)
[origin: WO2014047352A2] Disclosed is a method for processing readily available radio network, timing and power information about cellular networks and typical measurements made by the mobile device and network. A probabilistic method is disclosed that uses both time (i.e., range) and power differences with known downlink transmitter antenna characteristics to locate mobiles with accuracy better than cell-ID with ranging, with high capacity, and without the need for field calibration.

IPC 8 full level
G01S 3/28 (2006.01); **G01S 5/02** (2006.01)

CPC (source: CN EP US)
G01S 3/28 (2013.01 - EP); **G01S 5/0205** (2013.01 - CN); **G01S 5/0268** (2013.01 - CN EP US); **G01S 5/0278** (2013.01 - CN EP); **G01S 5/12** (2013.01 - CN); **H04W 64/006** (2013.01 - CN EP)

Citation (search report)
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• [XI] US 6950664 B2 20050927 - CHEN BYRON HUA [US], et al
• [A] WO 2004054277 A2 20040624 - MOTOROLA INC [US]
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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

DOCDB simple family (publication)
WO 2014047352 A2 20140327; **WO 2014047352 A3 20140515**; AU 2013317995 A1 20150507; AU 2013317995 B2 20160512; CA 2884732 A1 20140327; CN 104813187 A 20150729; EP 2898342 A2 20150729; EP 2898342 A4 20160629; IL 237748 A0 20150531; KR 20150058412 A 20150528; MX 2015003515 A 20150717; MX 338854 B 20160503

DOCDB simple family (application)
US 2013060719 W 20130919; AU 2013317995 A 20130919; CA 2884732 A 20130919; CN 201380060584 A 20130919; EP 13839144 A 20130919; IL 23774815 A 20150316; KR 20157009921 A 20130919; MX 2015003515 A 20130919