

Title (en)

REFINING A POSITION ESTIMATE OF A LOW EARTH ORBITING SATELLITE

Title (de)

VERFEINERUNG EINER POSITIONSSCHÄTZUNG EINES SATELLITEN MIT NIEDRIGER ERDUMLAUFBAHN

Title (fr)

AFFINEMENT D'UNE ESTIMATION DE POSITION D'UN SATELLITE À ORBITE TERRESTRE BASSE

Publication

EP 3014298 A1 20160504 (EN)

Application

EP 14828588 A 20140627

Priority

- US 201313929302 A 20130627
- US 2014044736 W 20140627

Abstract (en)

[origin: WO2015065541A1] In a method for refining a position estimate of a low earth orbiting (LEO) satellite a first position estimate of a LEO satellite is generated with a GNSS receiver on-board the LEO satellite. Corrections are received at the LEO satellite. The corrections are processed on-board the LEO satellite such that a corrected LEO satellite position estimate of the LEO satellite is generated for the first position estimate.

IPC 8 full level

G01S 19/14 (2010.01); **G01S 19/04** (2010.01); **G01S 19/39** (2010.01); **G01S 19/41** (2010.01); **G01S 19/44** (2010.01)

CPC (source: EP US)

G01S 19/04 (2013.01 - EP); **G01S 19/07** (2013.01 - EP US); **G01S 19/10** (2013.01 - EP); **G01S 19/14** (2013.01 - EP); **G01S 19/393** (2019.07 - EP US); **G01S 19/41** (2013.01 - EP); **G01S 19/44** (2013.01 - EP)

Citation (search report)

See references of WO 2015065541A1

Citation (examination)

SUNIL BISNATH ET AL: "Precise Point Positioning: A Powerful Technique with a Promising Future", GPS WORLD, 1 April 2009 (2009-04-01), pages 43 - 52, XP055569428, Retrieved from the Internet <URL:http://www2.unb.ca/gge/Resources/gpsworld.april09.pdf> [retrieved on 20190314]

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 2015065541 A1 20150507; EP 3014298 A1 20160504

DOCDB simple family (application)

US 2014044736 W 20140627; EP 14828588 A 20140627