

Title (en)

METHOD AND APPARATUS FOR POSITION DETERMINATION WITH HYBRID SPS ORBIT DATA

Title (de)

VERFAHREN UND VORRICHTUNG ZUR POSITIONSBESTIMMUNG MIT HYBRID-SPS-ORBIT-DATEN

Title (fr)

PROCÉDÉ ET APPAREIL POUR LA DÉTERMINATION DE POSITION AVEC DES DONNÉES D'ORBITE SPS HYBRIDES

Publication

**EP 2286262 A2 20110223 (EN)**

Application

**EP 09733345 A 20090415**

Priority

- US 2009040722 W 20090415
- US 4522108 P 20080415
- US 36565709 A 20090204

Abstract (en)

[origin: WO2009129346A2] A method and system for a mobile station to determine its position (or velocity) and time using a hybrid combination of satellite orbit data. In one aspect, the mobile station combines predicted orbit data from one satellite and real-time orbit data from another satellite in the determination of a fix. The combination can be made to the satellites in the same or different satellite systems. The mobile station can use the real-time orbit data of a satellite at one time period and the predicted orbit data of the same satellite at another time period. In another aspect, the mobile station can use the real-time orbit data to correct the clock bias in the predicted orbit data. The correction to the clock bias can be made to the same satellite that provides the real-time orbit data, or to a different satellite in the same or in another satellite system.

IPC 8 full level

**G01S 5/14** (2006.01); **G01S 19/10** (2010.01); **G01S 19/25** (2010.01); **G01S 19/27** (2010.01); **G01S 19/28** (2010.01); **G01S 19/33** (2010.01); **G01S 19/42** (2010.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2009129346A2

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DOCDB simple family (publication)

**WO 2009129346 A2 20091022; WO 2009129346 A3 20101209**; BR PI0910885 A2 20160809; CA 2718988 A1 20091022; CA 2718988 C 20140128; CN 102089672 A 20110608; CN 102089672 B 20150729; EP 2286262 A2 20110223; EP 2568315 A1 20130313; EP 2568316 A1 20130313; JP 2011519421 A 20110707; JP 2014002167 A 20140109; JP 5539317 B2 20140702; JP 5718422 B2 20150513; KR 101195792 B1 20121105; KR 20110002095 A 20110106; RU 2010146231 A 20120520; RU 2457507 C1 20120727; TW 201000938 A 20100101; TW I421527 B 20140101

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