

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)

G01S 19/258 (2013.01); **G01S 19/27** (2013.01); **G01S 19/33** (2013.01); **G01S 19/42** (2013.01)

Citation (search report)

See references of WO 2009129346A2

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Designated extension state (EPC)

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DOCDB simple family (publication)

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