

Title (en)

METHOD AND SYSTEM FOR PROCESSING POSITIONING SIGNALS

Title (de)

VERFAHREN UND SYSTEM ZUM VERARBEITEN VON POSITIONIERUNGSSIGNALEN

Title (fr)

PROCEDE ET SYSTEME DE TRAITEMENT DE SIGNAUX DE POSITIONNEMENT

Publication

**EP 1428039 A4 20080116 (EN)**

Application

**EP 02752383 A 20020717**

Priority

- US 0222623 W 20020717
- US 90927401 A 20010718
- US 90801101 A 20010718
- US 90840301 A 20010718
- US 90819901 A 20010718

Abstract (en)

[origin: WO03008991A2] A method for processing positioning signals is provided that includes receiving positioning signals at a ranging receiver from a plurality of satellites. Carrier frequency offset (CFO) results are determined at the ranging receiver based on the positioning signals. The CFO results are provided to a geolocation processor. Satellite information for the plurality of satellites is determined at the geolocation processor based on the CFO results. The satellite information is provided to the ranging receiver. Pseudorange data for the ranging receiver is determined at the ranging receiver based on the satellite information.

IPC 1-7

**G01S 5/02**; H04B 7/185

IPC 8 full level

**G01S 1/00** (2006.01); **G01S 5/00** (2006.01)

CPC (source: EP)

**G01S 5/0018** (2013.01); **G01S 5/0063** (2013.01); **G01S 19/05** (2013.01); **G01S 19/235** (2013.01); **G01S 19/254** (2013.01); **G01S 19/256** (2013.01); **G01S 19/29** (2013.01); **G01S 19/09** (2013.01); **G01S 19/17** (2013.01); **G01S 19/258** (2013.01); **G01S 19/34** (2013.01); **G01S 19/35** (2013.01); **G01S 2205/008** (2013.01)

Citation (search report)

- [XY] EP 0438199 A2 19910724 - PHILIPS ELECTRONICS UK LTD [GB], et al
- [Y] US 5689271 A 19971118 - LENNEN GARY R [US]
- See references of WO 03008991A2

Citation (examination)

TOWNSEND B ET AL: "Practical approach to the reduction of pseudorange multipath errors in a L1 GPS receiver", PROCEEDINGS OF THE INSTITUTE OF NAVIGATION (ION) GPS, XX, XX, vol. 1, 1 January 1994 (1994-01-01), pages 143 - 148, XP002302145

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03008991 A2 20030130**; **WO 03008991 A3 20040311**; AU 2002355098 A1 20030303; EP 1428039 A2 20040616; EP 1428039 A4 20080116

DOCDB simple family (application)

**US 0222623 W 20020717**; AU 2002355098 A 20020717; EP 02752383 A 20020717