

Title (en)
BLOCK COMMUNICATION TRANSCEIVERS WITH GPS CAPABILITY

Title (de)
BLOCKKOMMUNIKATIONSSENDER/-EMPFÄNGER MIT GPS-FÄHIGKEIT

Title (fr)
EMETTEUR/RECEPTEUR DE COMMUNICATION, A BLOC COMMUN ET A CAPACITE GPS

Publication
EP 1312227 A4 20070228 (EN)

Application
EP 00955325 A 20000802

Priority
US 0021032 W 20000802

Abstract (en)
[origin: WO0211470A1] A communication system capable of communicating RF signals at any one of a plurality of communication standards through a common antenna is disclosed. The communication system includes a transmitting unit having at least one transmit RF information signal output, and a receiving unit having at least one receive RF information signal input and a GPS RF information signal input. The transmitting unit includes a modulator for modulating a transmit IF with a transmit baseband information signal to generate a transmit IF information signal and an upconverter for upconverting the transmit IF information signal with a transmit RF to generate at least one transmit RF information signal. The receiving unit includes a receive downconverter for downconverting the at least one receive RF information signal with a receive RF to generate a receive IF information signal, a GPS downconverter for downconverting the GPS RF information signal with the receive RF to generate a GPS IF information signal, and a demodulator for demodulating the receive IF to generate GPS and receive baseband signals. An antenna is coupled to the at least one transmit RF information signal output, the at least one receive RF information signal input, and the GPS RF information signal input for transmitting and receiving RF information signals.

IPC 8 full level
H04B 1/38 (2006.01); **G01S 1/00** (2006.01); **G01S 19/35** (2010.01); **H04B 1/00** (2006.01); **H04B 1/40** (2006.01)

CPC (source: EP KR)
G01S 1/00 (2013.01 - KR); **G01S 19/35** (2013.01 - EP); **H04B 1/0057** (2013.01 - EP); **H04B 1/3805** (2013.01 - EP); **H04B 1/40** (2013.01 - KR)

Citation (search report)

- [X] WO 9931812 A1 19990624 - ERICSSON GE MOBILE INC [US]
- [X] DE 19838244 A1 20000224 - DAIMLER CHRYSLER AG [DE]
- See also references of WO 0211470A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0211470 A1 20020207; CA 2420077 A1 20020207; CA 2420077 C 20120417; CN 1236629 C 20060111; CN 1454432 A 20031105; EP 1312227 A1 20030521; EP 1312227 A4 20070228; HK 1058606 A1 20040521; JP 2004505571 A 20040219; JP 4509474 B2 20100721; KR 100698343 B1 20070323; KR 20030064374 A 20030731

DOCDB simple family (application)
US 0021032 W 20000802; CA 2420077 A 20000802; CN 00819924 A 20000802; EP 00955325 A 20000802; HK 04101294 A 20040224; JP 2002515861 A 20000802; KR 20037001582 A 20030203