

Title (en)
NAVIGATION SERVICES BASED ON POSITION LOCATION USING BROADCAST DIGITAL TELEVISION SIGNALS

Title (de)
NAVIGATIONSDIENSTE AUF DER BASIS VON POSITIONSBESTIMMUNG UNTER VERWENDUNG RUNDGESENDETER DIGITALER FERNSEHSIGNALE

Title (fr)
SERVICES DE NAVIGATION BASES SUR LA LOCALISATION ET UTILISANT DES SIGNAUX DE TELEVISION NUMERIQUE RADIODIFFUSES

Publication
EP 1452009 A2 20040901 (EN)

Application
EP 02789409 A 20021104

Priority
• US 0235338 W 20021104
• US 861301 A 20011108

Abstract (en)
[origin: WO03041388A2] A service depends on the location of a device. The device location is determined using DTV signals. More specifically, the device location is determined based on pseudo-ranges between the device and a plurality of digital television (DTV) transmitters and the pseudo-ranges are determined based on broadcast DTV signals received by the device from the DTV transmitters. Examples of DTV signals include the American Television Standards Committee (ATSC) signals, the European Telecommunications Standards Institute Digital Video Broadcasting - Terrestrial (DVB-T) signals and the Japanese Integrated Service Digital Broadcasting-Terrestrial (ISDB-T) signals.

IPC 1-7
H04N 1/00

IPC 8 full level
G01C 21/00 (2006.01); **G01S 5/00** (2006.01); **G01S 5/02** (2010.01); **G01S 5/14** (2006.01); **H04N 21/258** (2011.01); **H04N 21/2668** (2011.01); **H04N 21/414** (2011.01); **H04N 21/61** (2011.01); **H04N 21/81** (2011.01); **G01S 19/46** (2010.01); **G01S 19/48** (2010.01)

CPC (source: EP KR US)
G01C 21/206 (2013.01 - EP); **G01S 5/0036** (2013.01 - EP); **G01S 5/0054** (2013.01 - EP); **G01S 5/0081** (2013.01 - EP); **G01S 5/02** (2013.01 - EP KR US); **G01S 5/021** (2013.01 - EP); **G01S 5/145** (2013.01 - EP); **H04N 7/015** (2013.01 - KR); **H04N 21/25841** (2013.01 - EP); **H04N 21/2668** (2013.01 - EP); **H04N 21/41422** (2013.01 - EP); **H04N 21/615** (2013.01 - EP); **H04N 21/8126** (2013.01 - EP); **A63F 2300/205** (2013.01 - EP); **G01S 5/0218** (2020.05 - EP KR US); **G01S 19/46** (2013.01 - EP)

Citation (search report)
See references of WO 03041388A2

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 03041388 A2 20030515; WO 03041388 A3 20040318; AU 2002354005 A1 20030519; CN 1575422 A 20050202; EP 1452009 A2 20040901; JP 2005509166 A 20050407; KR 100949615 B1 20100326; KR 100949616 B1 20100326; KR 100984924 B1 20101001; KR 20050043741 A 20050511; KR 20080083216 A 20080916; KR 20080083217 A 20080916

DOCDB simple family (application)
US 0235338 W 20021104; AU 2002354005 A 20021104; CN 02821385 A 20021104; EP 02789409 A 20021104; JP 2003543299 A 20021104; KR 20047006738 A 20021104; KR 20087021043 A 20021104; KR 20087021044 A 20021104