

Title (en)
POSITION DETERMINATION USING BLUETOOTH DEVICES

Title (de)
POSITIONBESTIMMUNG MIT BLUETOOTHGERÄTEN

Title (fr)
DETERMINATION DE LA POSITION A L'AIDE DE DISPOSITIFS BLUETOOTH

Publication
EP 1256211 A2 20021113 (EN)

Application
EP 01907087 A 20010207

Priority
• US 0103982 W 20010207
• US 50018900 A 20000207

Abstract (en)
[origin: WO0158098A2] Apparatus and method to determine the position of a wireless device with Bluetooth capabilities. The method relies on transferring positioning information between devices using Bluetooth technology. If one of these devices knows its position (because it is in fixed position or because it has a GPS receiver or GPS sensor, or other ways of determining its own position), then this positioning information can be transferred to other devices in the RF proximity. In addition, triangulation using range measurements, and/or signal strength from several devices in the RF proximity can be used to determine the device position.

IPC 1-7
H04L 12/56

IPC 8 full level
G01S 5/00 (2006.01); **G01S 5/02** (2010.01); **H04L 12/28** (2006.01); **H04L 12/56** (2006.01); **G01S 5/14** (2006.01); **H04W 64/00** (2009.01); **H04W 84/18** (2009.01)

CPC (source: EP KR US)
G01S 1/68 (2013.01 - EP KR); **G01S 5/0009** (2013.01 - EP KR); **G01S 5/0072** (2013.01 - EP KR); **G01S 5/02** (2013.01 - EP KR US); **G01S 5/0257** (2013.01 - KR); **H04W 64/00** (2013.01 - KR); **H04W 84/18** (2013.01 - KR); **H04W 64/00** (2013.01 - EP); **H04W 84/18** (2013.01 - EP)

Citation (search report)
See references of WO 0158098A2

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

DOCDB simple family (publication)
WO 0158098 A2 20010809; **WO 0158098 A3 20020307**; AU 2001234912 B2 20050324; AU 3491201 A 20010814; BR 0108120 A 20060207; CA 2399730 A1 20010809; CN 1451216 A 20031022; EP 1256211 A2 20021113; IL 151080 A0 20030410; JP 2004500566 A 20040108; KR 20020073537 A 20020926

DOCDB simple family (application)
US 0103982 W 20010207; AU 2001234912 A 20010207; AU 3491201 A 20010207; BR 0108120 A 20010207; CA 2399730 A 20010207; CN 01806316 A 20010207; EP 01907087 A 20010207; IL 15108001 A 20010207; JP 2001557237 A 20010207; KR 20027010113 A 20020806