Title (en)

METHOD, NODE, DEVICE, COMPUTER PROGRAM, AND DATA CARRIER FOR DETERMINING A POSITION OF A NODE IN AN AD-HOC NETWORK

Title (de)

VERFAHREN, KNOTEN, VORRICHTUNG, COMPUTERPROGRAMM UND DATENTRÄGER ZUM BESTIMMEN EINER POSITION EINES KNOTENS IN EINEM AD-HOC-NETZWERK

Title (fr)

PROCÉDÉ, NOEUD, DISPOSITIF, PROGRAMME INFORMATIQUE ET SUPPORT DE DONNÉES POUR DÉTERMINER LA POSITION D'UN NOEUD DANS UN RÉSEAU AD HOC

Publication

EP 2243039 A1 20101027 (DE)

Application

EP 08870832 A 20081222

Priority

• EP 2008068162 W 20081222
• DE 102008004257 A 20080114
• DE 102008021614 A 20080430

Abstract (en)

[origin: WO2009089989A1] The invention relates to a method and a device for determining a geographical position of a node in an ad-hoc network. In order to do so, distance circles of at least two nodes that adjoin said node are determined. In addition, points of intersection between the distance circles of the at least two nodes adjoining the node are identified. A main set of points of intersection is determined from among the set of the identified or determined points of intersection, said main set comprising points of intersection located in the vicinity of an estimated position of the node. The geographical position of the node is then determined by means of the main set of points of intersection.

IPC 8 full level

G01S 5/02 (2010.01); **G01S 5/14** (2006.01)

CPC (source: EP US)

G01S 5/0289 (2013.01 - EP US); **G01S 5/14** (2013.01 - EP US)

Citation (search report)

See references of WO 2009089989A1

Citation (examination)

US 2005255865 A1 20051117 - SILLASTO EERO [FI], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102008021614 A1 20090723; **DE 102008021614 B4 20150924**; CN 101910863 A 20101208; EP 2243039 A1 20101027; US 2011045844 A1 20110224; US 8369869 B2 20130205; WO 2009089989 A1 20090723

DOCDB simple family (application)

DE 102008021614 A 20080430; CN 200880124740 A 20081222; EP 08870832 A 20081222; EP 2008068162 W 20081222; US 81278408 A 20081222