

Title (en)

SELF-LEARNING MAP ON BASIS OF ENVIRONMENT SENSORS

Title (de)

SELBSTLERNENDE KARTE AUF BASIS VON UMFELDSSENSOREN

Title (fr)

CARTE À APPRENTISSAGE AUTOMATIQUE AU MOYEN DE CAPTEURS D'ENVIRONNEMENT

Publication

EP 2274575 A1 20110119 (DE)

Application

EP 09738229 A 20090430

Priority

- EP 2009055295 W 20090430
- DE 102008021781 A 20080430
- DE 102009017731 A 20090411

Abstract (en)

[origin: WO2009133185A1] The invention relates to a self-learning map or a device for creating and storing a digital map 101 for a transport means 102 on basis of environment sensors 103, 109, 110, vehicle-to-X communication and satellite navigation systems, without the use of data from navigation maps. The obtained digital map 101 is iteratively improved and can be used for the validity check of an existing digital map 103 for a driver assistance system.

IPC 8 full level

G01C 21/32 (2006.01); **G06F 17/30** (2006.01); **G08G 1/0967** (2006.01); **H04W 4/024** (2018.01); **H04W 4/40** (2018.01)

CPC (source: EP US)

G01C 21/28 (2013.01 - EP US); **G01C 21/3837** (2020.08 - EP US); **G01C 21/3848** (2020.08 - EP US); **G06F 16/29** (2019.01 - EP US); **G08G 1/096791** (2013.01 - EP US); **H04L 67/12** (2013.01 - EP US); **H04W 4/024** (2018.02 - US); **H04W 4/40** (2018.02 - US); **B60W 2556/65** (2020.02 - EP)

Citation (examination)

- DE 102007006870 A1 20070830 - DENSO CORP [JP]
- DE 102007003147 A1 20070906 - DENSO CORP [JP]
- See also references of WO 2009133185A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

DE 102009017731 A 20090411; CN 200980115486 A 20090430; EP 09738229 A 20090430; EP 2009055295 W 20090430; JP 2011506729 A 20090430; US 99025509 A 20090430