

Title (en)

METHOD FOR PROVIDING A THREE-DIMENSIONAL MAP IN A MOTOR VEHICLE

Title (de)

VERFAHREN ZUM BEREITSTELLEN EINER DREIDIMENSIONALEN LANDKARTE IN EINEM KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ PERMETTANT DE FOURNIR UNE CARTE TRIDIMENSIONNELLE DANS UN VÉHICULE AUTOMOBILE

Publication

EP 4073469 A1 20221019 (DE)

Application

EP 20811295 A 20201120

Priority

- DE 102019133613 A 20191210
- EP 2020082882 W 20201120

Abstract (en)

[origin: WO2021115759A1] The invention relates to a method for providing a three-dimensional map (100) in a motor vehicle (10) and to a motor vehicle (10) which is designed for such a method. The motor vehicle (10) has a navigation system (34) and at least one driver assistance system (40, 41, 42). First of all, the three-dimensional map (10) and also a route-related navigation display (102) are generated if route guidance by means of the navigation system (34) is activated. Moreover, a check is performed as to whether the at least one driver assistance system (40, 41, 42) is activated and, if this is the case, predetermined sensor data describing the surroundings (33) of the motor vehicle (10) are collected by means of at least one sensor device (30, 31) of the motor vehicle (10) according to a data collection rule of the activated driver assistance system (40, 41, 42). By evaluation of the collected sensor data at least one additional information display (120) relating to driver assistance is generated, whereupon the generated map (100) with the generated route-related navigation display (102) and the generated additional information display (120) relating to driver assistance is finally provided in the motor vehicle (10) by means of a display device (36).

IPC 8 full level

G01C 21/36 (2006.01); **B60W 50/14** (2020.01); **G08G 1/0967** (2006.01); **G08G 1/0969** (2006.01)

CPC (source: EP US)

B60W 50/14 (2013.01 - EP US); **G01C 21/3638** (2013.01 - EP US); **G01C 21/3647** (2013.01 - US); **G01C 21/3697** (2013.01 - EP US); **G08G 1/096741** (2013.01 - EP); **G08G 1/096775** (2013.01 - EP); **G08G 1/096783** (2013.01 - EP); **G08G 1/096791** (2013.01 - EP); **G08G 1/0969** (2013.01 - EP); **B60W 2050/146** (2013.01 - US); **B60W 2556/40** (2020.02 - EP); **B60W 2556/50** (2020.02 - EP)

Citation (search report)

See references of WO 2021115759A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102019133613 B3 20201231; CN 114867991 A 20220805; EP 4073469 A1 20221019; US 2023021643 A1 20230126; WO 2021115759 A1 20210617

DOCDB simple family (application)

DE 102019133613 A 20191210; CN 202080085555 A 20201120; EP 2020082882 W 20201120; EP 20811295 A 20201120; US 202017783887 A 20201120