

Title (en)

MULTI-SENSOR APPARATUS OF A MOTOR VEHICLE AND METHOD FOR EQUIPPING A MOTOR VEHICLE WITH AT LEAST ONE ENVIRONMENTAL SENSOR

Title (de)

MULTI-SENSOR-VORRICHTUNG EINES KRAFTFAHRZEUGS UND VERFAHREN ZUR AUSSTATTUNG EINES KRAFTFAHRZEUGS MIT MINDESTENS EINEM UMFELDSSENSOR

Title (fr)

DISPOSITIF MULTICAPTEUR D'UN VÉHICULE AUTOMOBILE ET PROCÉDÉ D'ÉQUIPEMENT D'UN VÉHICULE AUTOMOBILE AVEC AU MOINS UN CAPTEUR ENVIRONNEMENTAL

Publication

**EP 3921669 A1 20211215 (DE)**

Application

**EP 20703220 A 20200203**

Priority

- DE 102019103145 A 20190208
- EP 2020052568 W 20200203

Abstract (en)

[origin: WO2020161050A1] The invention relates to a multi-sensor apparatus for a motor vehicle, in particular a multi-sensor apparatus for equipping a motor vehicle with environmental sensors. The invention also relates to a method for equipping a motor vehicle with at least one environmental sensor, preferably such a method for adapting the vehicle equipment to a level of autonomy, by means of which the motor vehicle can be driven in an autonomous manner. The multi-sensor apparatus (1; 10; 100) comprises a multi-sensor carrier (2), which is designed to accommodate a plurality of environmental sensors and has a plurality of sensor holders (3) for this purpose, and at least two environmental sensors (4) which are held on the multi-sensor carrier (2) and are selected from a group of environmental sensors comprising a radar sensor (6), a LIDAR sensor (7), an ultrasonic sensor and a camera (5).

IPC 8 full level

**G01S 13/931** (2020.01); **B60R 11/04** (2006.01); **B60W 30/09** (2012.01); **B60W 50/14** (2020.01); **G01S 13/86** (2006.01); **G01S 15/931** (2020.01); **G01S 17/87** (2020.01); **G01S 17/931** (2020.01); **G06K 9/00** (2006.01)

CPC (source: EP)

**B60R 11/00** (2013.01); **B60R 11/04** (2013.01); **G01S 7/027** (2021.05); **G01S 7/4813** (2013.01); **G01S 7/521** (2013.01); **G01S 13/867** (2013.01); **G01S 13/931** (2013.01); **G01S 15/86** (2020.01); **G01S 15/931** (2013.01); **G01S 17/87** (2013.01); **G01S 17/931** (2020.01); **G06V 20/56** (2022.01); **B60R 2011/0026** (2013.01); **B60R 2011/004** (2013.01); **G01S 2013/93271** (2020.01); **G01S 2013/93277** (2020.01); **G01S 2015/937** (2013.01)

Citation (search report)

See references of WO 2020161050A1

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)

**WO 2020161050 A1 20200813**; DE 102019103145 A1 20200813; EP 3921669 A1 20211215

DOCDB simple family (application)

**EP 2020052568 W 20200203**; DE 102019103145 A 20190208; EP 20703220 A 20200203