

Title (en)

METHOD AND DEVICE FOR CALIBRATING AND ADJUSTING A VEHICLE ENVIRONMENT SENSOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUM KALIBRIEREN UND JUSTIEREN EINES FAHRZEUG-UMFELDSSENSORS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CALIBRAGE ET D'AJUSTAGE D'UN CAPTEUR PÉRIPHÉRIQUE POUR VÉHICULE

Publication

**EP 2649467 A1 20131016 (DE)**

Application

**EP 11802310 A 20111205**

Priority

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Abstract (en)

[origin: WO2012076468A1] The invention relates to a method for adjusting and/or calibrating an environment sensor (15) in a vehicle (7), comprising the steps of: a1) attaching at least one wheel target (20, 22) to at least one wheel (12, 14) of the vehicle (7); a2) recording at least one image of the wheel target (20, 22) by means of at least one measurement unit (32, 46); a3) determining the spatial orientation of the vehicle (7) from the image of the wheel target (20, 22) recorded by the measurement unit (32, 46); b1) placing at least one calibration plate (62) with at least one calibration plate target (16, 18) within the field of view of the at least one measurement unit (32, 46); b2) recording at least one image of the calibration plate target (16, 18) with the measurement unit (32, 46); b3) determining the position of the calibration plate (62) from the recorded image of the calibration plate target (16, 18); c1) recording at least one image of the calibration plate (62) with the environment sensor (15) of the vehicle (7); c2) determining the spatial orientation of the environment sensor (15) in relation to the calibration plate (62) from the image of the calibration plate (62) recorded with the environment sensor (15); d) determining the spatial orientation of the environment sensor (15) in relation to the vehicle (7) from the orientation of the environment sensor (15) in relation to the calibration plate (62) determined in step c2) and the orientation of the calibration plate (62) in relation to the vehicle (7) determined in step a3).

IPC 8 full level

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