

Title (en)

METHOD FOR DETECTING A FUNCTIONAL IMPAIRMENT OF A LASER SCANNER, LASER SCANNER, AND MOTOR VEHICLE

Title (de)

VERFAHREN ZUM ERKENNEN EINER FUNKTIONSBEEINTRÄCHTIGUNG EINES LASERSCANNERS, LASERSCANNER UND KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ DE DÉTECTION D'UN DYSFONCTIONNEMENT D'UN DISPOSITIF DE BALAYAGE LASER, DISPOSITIF DE BALAYAGE LASER ET VÉHICULE À MOTEUR

Publication

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Application

**EP 16802100 A 20161130**

Priority

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Abstract (en)

[origin: WO2017097654A1] The invention relates to a method for detecting a functional impairment of a laser scanner (2) of a motor vehicle (1), wherein a laser beam (12) of the laser scanner (2) is emitted through a protective pane (6) of the laser scanner (2) into a surrounding region (4) of the motor vehicle (1), wherein an echo (16) of the emitted laser beam (12), which laser beam is at least partially reflected at the protective pane (6), is received by a receiving unit (9) of the laser scanner (2) having an intensity value (19), and the functional impairment of the laser scanner (2) is detected if the intensity value (19) is different from a reference intensity value.

IPC 8 full level

**G01S 17/42** (2006.01); **G01S 7/497** (2006.01); **G01S 17/10** (2020.01); **G01S 17/931** (2020.01)

CPC (source: EP KR US)

**G01S 7/497** (2013.01 - EP KR US); **G01S 17/10** (2013.01 - US); **G01S 17/42** (2013.01 - EP KR US); **G01S 17/931** (2020.01 - EP KR US); **G01S 2007/4975** (2013.01 - EP KR US)

Citation (search report)

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**DE 102015121415 A1 20170614**; CN 108474852 A 20180831; CN 108474852 B 20220408; EP 3387463 A1 20181017; JP 2018536866 A 20181213; JP 6682635 B2 20200415; KR 102122142 B1 20200611; KR 20180091069 A 20180814; US 11567181 B2 20230131; US 2019064330 A1 20190228; WO 2017097654 A1 20170615

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