

Title (en)

Malfunction recognition for illumination devices in motor vehicle lights

Title (de)

Ausfallerkennung für Leuchtmittel in Kraftfahrzeugleuchten

Title (fr)

Reconnaissance d'une panne pour moyen d'éclairage dans des lampes de véhicules automobiles

Publication

**EP 2247161 B1 20140514 (DE)**

Application

**EP 09005873 A 20090428**

Priority

EP 09005873 A 20090428

Abstract (en)

[origin: EP2247161A1] The failure recognition unit has multiple parallel branches each comprising an illuminant connected in series. A potential target value of the branches is preset on the basis of an operating voltage or a voltage drop of each illuminant, with which the recorded potentials of the branches are compared. An additional power supply or a reference voltage directly dependent on the power supply is used for comparison under notice of the voltage drop of the monitored illuminant and the supply voltage.

IPC 8 full level

**H05B 44/00** (2022.01)

CPC (source: EP US)

**H05B 45/46** (2020.01 - EP); **H05B 45/52** (2020.01 - EP US); **H05B 45/58** (2020.01 - EP US); **H05B 47/21** (2020.01 - EP US)

Cited by

DE102011087658A1; FR3068562A1; EP2779795A1; US9736896B2; EP2487999A1; US2013304304A1; US9308821B2; WO2013181853A1; WO2012077013A3; WO2012175288A1; EP2979954A2; DE102015112404A1; EP2783915A1; DE102014216085A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2247161 A1 20101103; EP 2247161 B1 20140514; SI 2247161 T1 20140829**

DOCDB simple family (application)

**EP 09005873 A 20090428; SI 200930933 T 20090428**