

Title (en)

Lighting and/or signalling device for motor vehicles

Title (de)

Vorrichtung zur Beleuchtung und/oder Signalisierung für Kraftfahrzeuge

Title (fr)

Dispositif de signalisation et/ou d'éclairage pour véhicules automobiles

Publication

EP 2781826 B1 20171018 (FR)

Application

EP 14160203 A 20140317

Priority

FR 1352407 A 20130318

Abstract (en)

[origin: EP2781826A1] The projection unit (100) has two optical modules (20) and an optical projection device (23), where each optical module is provided with LEDs (101) integral with a printed circuit board (26). A common control device (102) is provided for controlling the two optical modules, where the two optical modules and the control device are secured on a support (14). One of the two optical modules includes a heat dissipation unit (21) arranged to dissipate some of the heat generated by the LEDs, where the heat dissipation unit is in surface contact with the printed circuit board. An independent claim is also included for a projection device.

IPC 8 full level

F21S 8/10 (2006.01); **F21W 107/10** (2018.01)

CPC (source: EP US)

F21S 41/153 (2017.12 - EP US); **F21S 41/19** (2017.12 - EP); **F21S 41/192** (2017.12 - EP); **F21S 41/663** (2017.12 - EP); **F21S 45/48** (2017.12 - EP US); **F21S 45/49** (2017.12 - EP); **F21S 45/50** (2017.12 - EP US); **F21S 41/25** (2017.12 - EP); **F21S 45/43** (2017.12 - EP US)

Cited by

EP3832195A1; EP3489082A1; CN111372815A; US11149928B2; WO2019105639A1; WO2022243008A1

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

DOCDB simple family (publication)

EP 2781826 A1 20140924; **EP 2781826 B1 20171018**; CN 104061511 A 20140924; CN 104061511 B 20180420; FR 3003336 A1 20140919; FR 3003336 B1 20170811

DOCDB simple family (application)

EP 14160203 A 20140317; CN 201410100713 A 20140318; FR 1352407 A 20130318