Title (en)

HEAT SINK DEVICE FOR A MOTOR VEHICLE LIGHTING MODULE

Title (de)

KÜHLKÖRPERVORRICHTUNG FÜR EIN KRAFTFAHRZEUGBELEUCHTUNGSMODUL

Title (fr)

DISPOSITIF DE DISSIPATION THERMIQUE POUR UN MODULE LUMINEUX DE VEHICULE AUTOMOBILE

Publication

EP 3350511 A1 20180725 (FR)

Application

EP 16763816 A 20160909

Priority

- FR 1558520 A 20150914
- EP 2016071379 W 20160909

Abstract (en)

[origin: WO2017046016A1] The invention proposes a heat sink device (100, 200, 300) for a motor vehicle lighting module. The device (100, 200, 300) is made of pressed aluminium and has good thermal conductivity. The arrangement of the cooling fins (120, 220, 320) of the device (100, 200, 300) is such that the device (100, 200, 300) can be installed in various orientations while at the same time providing good dissipation of the heat produced by a printed circuit (10) fixed to the device (100, 200, 300).

IPC 8 full level

F21V 15/00 (2015.01); **F21V 19/00** (2006.01); **F21V 23/00** (2015.01); **F21V 29/50** (2015.01); **F21V 29/76** (2015.01); **F21V 29/89** (2015.01); **F21V 31/00** (2006.01); F21Y 101/00 (2016.01); F21Y 115/10 (2016.01)

CPC (source: EP US)

F21S 45/48 (2017.12 - EP US); **F21S 45/49** (2017.12 - EP US); **F21V 23/004** (2013.01 - EP US); **F21V 29/763** (2015.01 - EP US); **F21V 31/005** (2013.01 - EP US); F21S 45/10 (2017.12 - US); F21S 45/50 (2017.12 - US); F21V 15/00 (2013.01 - EP US); F21V 19/005 (2013.01 - EP US); F21V 29/507 (2015.01 - EP US); F21V 29/89 (2015.01 - EP US); F21Y 2101/00 (2013.01 - EP US)

Citation (search report)

See references of WO 2017046016A1

Cited by

FR3115860A1

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)

FR 3041080 A1 20170317; **FR 3041080 B1 20200529**; CN 108139070 A 20180608; EP 3350511 A1 20180725; EP 3350511 B1 20190828; US 2018252383 A1 20180906; WO 2017046016 A1 20170323

DOCDB simple family (application)

FR 1558520 A 20150914; CN 201680051888 A 20160909; EP 16763816 A 20160909; EP 2016071379 W 20160909; US 201615759967 A 20160909