Title (en)
OPTICAL MODULE COMPRISING A RADIATOR PROVIDED WITH A VENT

Title (de)
OPTISCHES MODUL, DAS MIT EINEM RADIATOR MIT AUSLASSÖFFNUNG AUSGESTATTET IST

Title (fr)
MODULE OPTIQUE COMPORTANT UN RADIATEUR ÉQUIPÉ D'UN ÉVENT

Publication
EP 3376101 B1 20191211 (FR)

Application
EP 18161581 A 20180313

Priority
FR 1752171 A 20170316

Abstract (en)
[origin: US2018266646A1] An optical module for a motor vehicle including a light source, a heat sink including a plate having a front face for supporting the light source, and including a rear face spiked with cooling fins, a device for producing an airflow. The heat sink includes at least one vent which passes through the plate of the heat sink in proximity to the light source in order to allow the airflow to circulate longitudinally between the front and the rear of the heat sink.

IPC 8 full level
F21V 29/60 (2015.01); **F21S 45/43** (2018.01); **F21V 29/83** (2015.01)

CPC (source: CN EP US)
F21S 41/143 (2017.12 - EP US); **F21S 41/153** (2017.12 - EP US); **F21S 41/20** (2017.12 - EP US); **F21S 45/43** (2017.12 - CN EP US); **F21S 45/48** (2017.12 - CN US); **F21V 29/60** (2015.01 - EP US); **F21V 29/673** (2015.01 - US); **F21V 29/76** (2015.01 - US); **F21V 29/83** (2015.01 - EP US); F21S 41/141 (2017.12 - US); F21S 41/24 (2017.12 - US); F21S 41/25 (2017.12 - EP US); F21S 43/14 (2017.12 - US); F21S 43/235 (2017.12 - US); F21W 2107/10 (2017.12 - CN); F21Y 2105/12 (2016.07 - EP US)

Cited by
EP4397903A1; WO2019149398A1

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 3376101 A1 20180919; **EP 3376101 B1 20191211**; CN 108626695 A 20181009; CN 108626695 B 20210928; FR 3064049 A1 20180921; FR 3064049 B1 20210709; US 10465877 B2 20191105; US 2018266646 A1 20180920

DOCDB simple family (application)
EP 18161581 A 20180313; CN 201810219983 A 20180316; FR 1752171 A 20170316; US 201815923196 A 20180316