

Title (en)

COOLING DEVICE FOR AN AUTOMOTIVE LIGHTING DEVICE AND AN AUTOMOTIVE LIGHTING DEVICE

Title (de)

KÜHLVORRICHTUNG FÜR EINE KRAFTFAHRZEUGBELEUCHTUNGSVORRICHTUNG UND
KRAFTFAHRZEUGBELEUCHTUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE REFROIDISSEMENT POUR UN DISPOSITIF D'ÉCLAIRAGE D'AUTOMOBILE ET DISPOSITIF D'ÉCLAIRAGE D'AUTOMOBILE

Publication

EP 3581849 B1 20220223 (EN)

Application

EP 18382422 A 20180614

Priority

EP 18382422 A 20180614

Abstract (en)

[origin: EP3581849A1] This invention provides a cooling device (1) for cooling a light source located in an automotive lighting device. This cooling device (1) comprises a heat sink (2) intended to be in thermal contact with the light source and a plurality of fins (3) in direct thermal contact with the heat sink (2). Some of the fins (3) comprise a base in direct contact with the heat sink, the base comprising a first (31) and second (32) sides parallel to a first direction (d1) and a third (33) and fourth (34) sides shorter than the first (33) and second (32) sides, the third side (33) forming an angle between 25° and 75° with respect to the first direction (d1).

IPC 8 full level

F21V 29/75 (2015.01); **F21S 45/47** (2018.01); **F21V 29/76** (2015.01); **F21V 29/83** (2015.01)

CPC (source: EP)

F21S 45/47 (2017.12); **F21V 29/75** (2015.01); **F21V 29/763** (2015.01); **F21V 29/83** (2015.01)

Citation (examination)

US 2016223183 A1 20160804 - ZOU XIAOFENG [CN], et al

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 3581849 A1 20191218; EP 3581849 B1 20220223

DOCDB simple family (application)

EP 18382422 A 20180614