

Title (en)

Lighting and/or signalling device of an automobile

Title (de)

Beleuchtungs- und/oder Signalvorrichtung für Kraftfahrzeuge

Title (fr)

Dispositif d'éclairage et/ou de signalisation de véhicule automobile

Publication

EP 2450622 B1 20181205 (FR)

Application

EP 11187877 A 20111104

Priority

FR 1059198 A 20101108

Abstract (en)

[origin: EP2450622A2] The device has a set of parts placed in a case of the device and provided with a junction element (4) i.e. thermal adhesive tape, between a part (2) i.e. printed circuit board, and another part (6) i.e. radiator or heat dissipater. The element includes an adhesive face (41) receiving the former part such that the face presents a free region (43) adjacent to one of a closed contour (21) e.g. through-hole, or an concave open contour e.g. slot, of the former part after adhesion of the former part on the element. An additional part (8) i.e. light guide, includes an end (83) adhered to the region.

IPC 8 full level

F21S 41/55 (2018.01); **F21S 43/14** (2018.01); **F21S 43/19** (2018.01); **F21S 43/235** (2018.01); **F21S 43/27** (2018.01); **F21S 43/50** (2018.01); **F21S 45/47** (2018.01); **F21S 45/49** (2018.01); **F21V 17/10** (2006.01); **F21V 19/00** (2006.01); **F21V 29/00** (2015.01); **F21V 29/70** (2015.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)

F21S 41/151 (2017.12 - EP US); **F21S 41/55** (2017.12 - EP US); **F21S 43/14** (2017.12 - EP US); **F21S 43/195** (2017.12 - EP US); **F21S 43/235** (2017.12 - EP US); **F21S 43/27** (2017.12 - EP US); **F21S 43/51** (2017.12 - EP US); **F21S 45/47** (2017.12 - EP US); **F21S 45/49** (2017.12 - EP US); **F21V 17/10** (2013.01 - EP US); **F21V 17/101** (2013.01 - EP US); **F21V 19/001** (2013.01 - EP US); **F21V 29/70** (2015.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (examination)

DE 10232894 A1 20040129 - BAYERISCHE MOTOREN WERKE AG [DE]

Cited by

EP3882516A1; IT202000005908A1; FR3088986A1; EP3242074A4; FR3114633A1; EP4102131A1; US10260702B2; EP3372892A1; FR3063797A1; WO2022069675A1; WO2020104739A1; WO2022258270A1

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 2450622 A2 20120509; **EP 2450622 A3 20130626**; **EP 2450622 B1 20181205**; CN 102658790 A 20120912; CN 102658790 B 20151111; FR 2970060 A1 20120706; FR 2970060 B1 20141121; FR 2970320 A1 20120713; FR 2970320 B1 20180615; US 2012113659 A1 20120510; US 9068731 B2 20150630

DOCDB simple family (application)

EP 11187877 A 20111104; CN 201110419185 A 20111108; FR 1059198 A 20101108; FR 1152054 A 20110314; US 201113290343 A 20111107