

Title (en)

Lighting and/or signalling device for an automobile

Title (de)

Vorrichtung zur Beleuchtung und/oder Signalisierung für Kraftfahrzeug

Title (fr)

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

Publication

EP 2309178 A1 20110413 (FR)

Application

EP 10179193 A 20100924

Priority

FR 0957072 A 20091009

Abstract (en)

The device (1) has a plastic housing (2) including a rear opening (9) in which a light source (3) e.g. filament lamp, is mounted. A ventilation orifice (10) is opened into the rear opening of the housing, and formed at an end (12) of a ventilating duct (11). The ventilation orifice is made in a single piece with the housing. The housing comprises a cylindrical rear neck (20) adjacent to the rear opening receiving the light source. The ventilating duct is extended perpendicular to an optical axis (X).

Abstract (fr)

L'invention concerne un dispositif (1) d'éclairage et/ou de signalisation d'un véhicule automobile, ce dispositif comportant : - un boîtier (2) comprenant une ouverture arrière dans laquelle une source de lumière peut être montée sur le boîtier, - un orifice de ventilation (10) débouchant dans ladite ouverture arrière (9) du boîtier.

IPC 8 full level

F21V 31/03 (2006.01); **F21W 101/10** (2006.01); **F21W 107/10** (2018.01)

CPC (source: EP US)

F21S 45/33 (2018.01 - EP US); **F21S 45/37** (2018.01 - EP US)

Citation (applicant)

US 5609407 A 19970311 - YANAGIHARA HIROKAZU [JP], et al

Citation (search report)

- [X] EP 1437546 A2 20040714 - HELLA KG HUECK & CO [DE]
- [X] FR 2525165 A1 19831021 - WESTFAELISCHE METALL INDUSTRIE [DE]
- [A] DE 10101005 A1 20020718 - VOLKSWAGEN AG [DE]
- [AD] US 5609407 A 19970311 - YANAGIHARA HIROKAZU [JP], 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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2309178 A1 20110413; **EP 2309178 B1 20120530**; CN 102042576 A 20110504; CN 102042576 B 20150930; CN 201892158 U 20110706; EP 2442024 A2 20120418; EP 2442024 A3 20140402; EP 2442024 B1 20171018; ES 2388585 T3 20121016; FR 2951244 A1 20110415; FR 2951244 B1 20140321; JP 2011082169 A 20110421; JP 6058251 B2 20170111; MX 2010011100 A 20110420; PL 2309178 T3 20121031; TW M401583 U 20110411; US 2011085345 A1 20110414; US 2014104863 A1 20140417; US 8550679 B2 20131008; US 9341339 B2 20160517

DOCDB simple family (application)

EP 10179193 A 20100924; CN 201010512647 A 20101008; CN 201020562748 U 20101008; EP 12150941 A 20100924; ES 10179193 T 20100924; FR 0957072 A 20091009; JP 2010228058 A 20101008; MX 2010011100 A 20101008; PL 10179193 T 20100924; TW 99219424 U 20101008; US 201314045132 A 20131003; US 89962710 A 20101007