Title (en)

Projector module with cut-off for motor vehicle

Title (de)

Kraftfahrzeugscheinwerfer des Projektionstyps

Title (fr)

Module de projecteur lumineux à coupure pour véhicule automobile.

Publication

EP 1816392 A3 20100407 (FR)

Application

EP 07290119 A 20070130

Priority

FR 0601006 A 20060203

Abstract (en)

[origin: EP1816392A2] The module has a reflector (5) situated below a horizontal plane passing through an optical axis. The reflector passes a meridian curve (6) composed of an arc of ellipse (7), and a curve situated in front of an end of the arc of ellipse. An annular lens (10) surrounds a zone of a lower part of a convex lens (4). The lens (10) presents a plane (11) passing through the optical axis and providing two curves corresponding to input and output sides of the lens (10) and to a cut of the convex lens.

IPC 8 full level

F21S 8/12 (2006.01); **F21V 13/04** (2006.01); F21W 101/10 (2006.01); F21W 107/10 (2018.01); F21Y 101/00 (2016.01)

CPC (source: EP US)

F21S 41/172 (2017.12 - EP US); **F21S 41/255** (2017.12 - EP US); **F21S 41/265** (2017.12 - EP US); **F21S 41/275** (2017.12 - EP US); **F21S 41/321** (2017.12 - EP US); **F21S 41/365** (2017.12 - EP US); **F21S 41/43** (2017.12 - EP US); **F21V 11/16** (2013.01 - EP US)

Citation (search report)

• [A] EP 0208895 A2 19870121 - BOSCH GMBH ROBERT [DE]
• [A] DE 19526023 A1 19970123 - DAIMLER BENZ AG [DE]

Cited by

FR2998352A1; CN109253417A; CN107289395A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1816392 A2 20070808; **EP 1816392 A3 20100407**; **EP 1816392 B1 20120829**; FR 2897142 A1 20070810; FR 2897142 B1 20080314; JP 2007207761 A 20070816; US 2007183166 A1 20070809

DOCDB simple family (application)

EP 07290119 A 20070130; FR 0601006 A 20060203; JP 2007023613 A 20070202; US 67047307 A 20070202