

Title (en)

Optical module for a motor vehicle lighting device

Title (de)

Optisches Modul für eine Kfz-Beleuchtungseinrichtung

Title (fr)

Module optique pour dispositif d'éclairage automobile

Publication

EP 1746340 A3 20071107 (FR)

Application

EP 06291099 A 20060703

Priority

FR 0507785 A 20050721

Abstract (en)

[origin: EP1746340A2] In an optical module for an automobile light which emits beam(s) with a cut-off portion, comprising a light source within a reflector (R), a dioptric element (L) in front of the reflector and a screen (C) between the source and element to intercept some emitted light rays, an additional reflective optical element (EO), between the source and the screen and near the screen, redirects light rays emitted towards the screen above the screen edge. An optical module (specifically an elliptical module) for an automobile light which emits beam(s) with a cut-off portion comprises a light source within a reflector (R), a dioptric element (L) (specifically a convergent lens) in front of the reflector and a screen (C) between the source and the dioptric element, having active position(s) in which some emitted light rays are intercepted to cut off part of the beam. The novel feature is that an additional optical element (EO) with reflective surface(s), located between the source and the screen and near the active edge of the screen, redirects light rays emitted in the direction of the screen above the active edge of the screen. An independent claim is included for an automobile headlight having at least one of the optical elements.

IPC 8 full level

F21V 11/16 (2006.01); **F21S 8/12** (2006.01); **F21V 7/00** (2006.01); **F21W 101/10** (2006.01); **F21W 107/10** (2018.01)

CPC (source: EP US)

F21S 41/321 (2017.12 - EP US); **F21S 41/337** (2017.12 - EP US); **F21S 41/365** (2017.12 - EP US); **F21S 41/43** (2017.12 - EP US);
F21S 41/683 (2017.12 - EP US)

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US9121561B2; US9500337B2

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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)

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DOCDB simple family (publication)

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ES 2328622 T3 20091116; FR 2888916 A1 20070126; FR 2888916 B1 20070928; PL 1746340 T3 20091231; SI 1746340 T1 20091231;
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