

Title (en)  
Optical module for automotive vehicle

Title (de)  
Optisches Modul für Kraftfahrzeug

Title (fr)  
Module optique pour véhicule automobile

Publication  
**EP 1739345 A1 20070103 (FR)**

Application  
**EP 06291038 A 20060623**

Priority  
FR 0506614 A 20050629

Abstract (en)  
The module has a light source (S) placed at an inner focus (Fi) of an ellipsoidal main reflector (1). A convex lens (2) has a primary focal point located near another focus (Fe) of the reflector. A quadric additional reflector (4) with curved surface has a focus merged with the inner focus and parameters different from that of the reflector (1). The reflector (4) is inserted and fixed in the reflector (1) by a leg assembly. The reflector (4) has reduced thickness in its rear zone such that its inner surface is connected tangential to an inner surface of the reflector (1). An independent claim is also included for a motor vehicle lighting device.

IPC 8 full level  
**F21V 7/00** (2006.01); **F21V 17/00** (2006.01); **F21W 107/10** (2018.01)

CPC (source: EP US)  
**F21S 41/332** (2017.12 - EP); **F21S 41/334** (2017.12 - US); **F21S 41/36** (2017.12 - US); **F21S 41/43** (2017.12 - EP); **F21S 41/255** (2017.12 - EP); **F21S 41/295** (2017.12 - EP); **F21S 41/39** (2017.12 - EP); **F21V 7/16** (2013.01 - EP)

Citation (search report)

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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 YU

DOCDB simple family (publication)  
**EP 1739345 A1 20070103**; **EP 1739345 B1 20100331**; AT E462927 T1 20100415; DE 602006013227 D1 20100512; FR 2887959 A1 20070105; FR 2887959 B1 20070928

DOCDB simple family (application)  
**EP 06291038 A 20060623**; AT 06291038 T 20060623; DE 602006013227 T 20060623; FR 0506614 A 20050629