

Title (en)
Optical module for headlights of an automobile

Title (de)
Optisches Modul für Kraftfahrzeugscheinwerfer

Title (fr)
Module optique pour projecteur de véhicule automobile

Publication
EP 1970619 B1 20120229 (FR)

Application
EP 08152540 A 20080310

Priority
FR 0701832 A 20070314

Abstract (en)
[origin: EP1970619A1] The module has main optical elements provided with a main LED (LP) and a projection optical system in a form of a lens (L) or a paraboloidal type reflector, and secondary optical elements provided with a secondary LED (LS1) associated with a collimator (C1) and with a folding mirror (M). The main and secondary elements respectively emit main i.e. motorway type beam, and secondary light beams. The mirror deflects the light emitted by secondary LED, by using the collimator, in a direction of the optical system, and avoids interception of light emitted by the main LED.

IPC 8 full level
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CPC (source: EP US)
F21S 41/147 (2017.12 - EP US); **F21S 41/155** (2017.12 - EP); **F21S 41/26** (2017.12 - EP); **F21S 41/321** (2017.12 - EP);
F21S 41/322 (2017.12 - EP); **F21S 41/365** (2017.12 - EP US); **F21S 41/663** (2017.12 - EP US); **F21W 2102/18** (2017.12 - EP);
F21Y 2115/10 (2016.07 - EP US)

Cited by
CN114877286A; EP2799763A1; FR3005342A1; WO2016050610A1; WO2014012878A1; EP2489925A1; FR2971464A1; FR2955538A1;
FR3084728A1; CN112513522A; DE102016122188A1; US9989207B2; US9441805B2; US11280464B2; US11719406B2; WO2011092121A1;
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DOCDB simple family (publication)
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DOCDB simple family (application)
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