

Title (en)

Reflector module of a motor vehicle headlamp

Title (de)

Reflexionsmodul eines Kraftfahrzeug-Scheinwerfers

Title (fr)

Module de réflecteur d'un phare de véhicule automobile

Publication

**EP 2431657 A3 20140115 (DE)**

Application

**EP 11179902 A 20110902**

Priority

DE 102010045847 A 20100917

Abstract (en)

[origin: EP2431657A2] The reflection module (10) has LEDs (16,17) for emitting electromagnetic radiation. A reflector (12) condenses and reflects a portion of the emitted electromagnetic radiation to generate a desired radiation distribution on a road ahead of motor vehicle. The LEDs are arranged with respect to different regions (26,28) of the reflector such that the regions oppose main radiation direction of the LEDs.

IPC 8 full level

**F21S 8/12** (2006.01); **F21S 8/10** (2006.01)

CPC (source: EP US)

**F21S 41/147** (2017.12 - EP US); **F21S 41/19** (2017.12 - EP); **F21S 41/321** (2017.12 - EP); **F21S 41/663** (2017.12 - EP US)

Citation (search report)

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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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2431657 A2 20120321; EP 2431657 A3 20140115; EP 2431657 B1 20190508**; CN 102418894 A 20120418; CN 102418894 B 20151104; DE 102010045847 A1 20120322; DE 102010045847 A8 20120524

DOCDB simple family (application)

**EP 11179902 A 20110902**; CN 201110277362 A 20110919; DE 102010045847 A 20100917