Title (en)

Motor vehicle headlamp with semiconductor sources for generating different light distributions

Title (de)

Zur Erzeugung verschiedener Lichtverteilungen eingerichteter Kraftfahrzeugscheinwerfer mit Halbleiterlichtquellen

Title (fr)

Phare de véhicule automobile dirigé de manière à produire différentes répartitions de la lumière et doté de sources semi-conductrices

Publication

EP 2306075 A3 20130814 (DE)

Application

EP 10010127 A 20100922

Priority

- DE 102009049558 A 20091005
- DE 202009017939 U 20091117
- DE 102010023360 A 20100610

Abstract (en)

[origin: EP2306075A2] The headlight has a light module comprising a matrix-like arrangement of semiconductor sources i.e. LEDS, a primary lens (3) and a secondary lens. Light emission regions (36, 38, 40) comprising light emission surfaces, which differentiate middle rows (34) in the form of light emission surfaces of adjacent rows (44, 46). A middle light emission region of the middle rows is separated from the adjacent light emission regions of the middle rows by two V-shaped edges during reflection by the secondary lens. The edges are tapered together.

IPC 8 full level

F21S 8/12 (2006.01); **F21S 8/10** (2006.01); **F21V 5/00** (2006.01)

CPC (source: EP US)

F21S 41/143 (2017.12 - EP US); **F21S 41/153** (2017.12 - EP US); **F21S 41/24** (2017.12 - EP); **F21S 41/62** (2017.12 - EP); **F21S 41/663** (2017.12 - EP US)

Citation (search report)

- [X] DE 102008044967 A1 20090730 - DAIMLER AG [DE]
- [A] WO 2006016327 A2 20060216 - PHILIPS INTELLECTUAL PROPERTY [DE], et al
- [A] WO 2004088200 A2 20041014 - OSRAM OPTO SEMICONDUCTORS GMBH [DE], et al

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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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2306075 A2 20110406; **EP 2306075 A3 20130814**; **EP 2306075 B1 20200819**; DE 102010023360 A1 20110407

DOCDB simple family (application)

EP 10010127 A 20100922; DE 102010023360 A 20100610