

Title (en)
Light module for a motor vehicle headlamp

Title (de)
Lichtmodul für einen Kraftfahrzeugscheinwerfer

Title (fr)
Module d'éclairage de phare de véhicule automobile

Publication
EP 2799762 A3 20160914 (DE)

Application
EP 14164995 A 20140416

Priority
DE 102013207845 A 20130429

Abstract (en)
[origin: CN104121533A] The present invention is directed toward a light module for a motor vehicle headlamp that has numerous light sources, a primary lens, and a secondary lens. The primary lens is configured to collect light emitted from the light sources, and to convert this light to an intermediate light distribution having the form of a closed, illuminating surface area. The secondary lens has an object-side focal length, and the primary lens and the secondary lens are disposed such that the intermediate light distribution lies, at a spacing of this focal length, in the beam path in front of the secondary lens. The light emission surfaces of the light sources are separated from one another by spacings lying between them, and the primary lens is configured to distribute the light emitted from the light sources such that the spacings in the intermediate light distribution can no longer be perceived.

IPC 8 full level
F21S 8/10 (2006.01); **F21W 107/10** (2018.01)

CPC (source: EP US)
F21S 41/147 (2017.12 - EP US); **F21S 41/151** (2017.12 - EP US); **F21S 41/155** (2017.12 - EP US); **F21S 41/20** (2017.12 - US); **F21S 41/24** (2017.12 - EP US); **F21S 41/285** (2017.12 - EP US); **F21S 41/321** (2017.12 - EP US); **F21S 41/336** (2017.12 - EP US); **F21S 41/365** (2017.12 - EP US); **F21S 45/10** (2017.12 - EP US); **F21S 45/47** (2017.12 - EP US)

Citation (search report)

- [E] EP 2789900 A2 20141015 - AUTOMOTIVE LIGHTING REUTLINGEN [DE]
- [Y] EP 2500628 A2 20120919 - STANLEY ELECTRIC CO LTD [JP]
- [Y] WO 2013031210 A1 20130307 - KOITO MFG CO LTD [JP], et al
- [A] EP 2119958 A1 20091118 - ICHIKOH INDUSTRIES LTD [JP]
- [A] US 2005030759 A1 20050210 - ZOLLERS MICHAEL W [US]
- [A] DE 102007052696 A1 20080717 - ZIZALA LICHTSYSTEME GMBH [AT]
- [A] DE 102008013603 A1 20090917 - AUTOMOTIVE LIGHTING REUTLINGEN [DE], et al
- [A] DE 102009035544 A1 20110203 - VOLKSWAGEN AG [DE]

Cited by
EP3540295A1; EP3282181B1

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 2799762 A2 20141105; EP 2799762 A3 20160914; EP 2799762 B1 20201202; CN 104121533 A 20141029; DE 102013207845 A1 20141030; US 2014321140 A1 20141030; US 9546766 B2 20170117

DOCDB simple family (application)
EP 14164995 A 20140416; CN 201410175762 A 20140428; DE 102013207845 A 20130429; US 201414264761 A 20140429