

Title (en)
Headlamp for vehicles

Title (de)
Scheinwerfer für Fahrzeuge

Title (fr)
Phare pour véhicules

Publication
EP 2381167 A3 20140101 (DE)

Application
EP 11162026 A 20110412

Priority
AT 6602010 A 20100422

Abstract (en)
[origin: EP2381167A2] The headlamp has a cylindrical casing comprising a covering shaft that is arranged between a reflector and a lens. A protrusion unit (60) is extended away from one of focal lines (21) for dim light in a circumferential or rotational direction of the covering shaft. Normal distance of the cylindrical casing to a rotation axis is smaller than normal distance of a cylindrical shaped casing surface of the covering shaft, where a section of the focal line for dim light lies at the latter distance. The light exhibits reduced gap to the rotation axis.

IPC 8 full level
F21V 14/08 (2006.01); **F21S 8/10** (2006.01)

CPC (source: EP)
F21S 41/43 (2017.12); **F21S 41/698** (2017.12)

Citation (search report)

- [XY] EP 2169299 A1 20100331 - VALEO VISION [FR]
- [Y] EP 1031785 A2 20000830 - HELLA KG HUECK & CO [DE]
- [E] EP 2381162 A2 20111026 - KOITO MFG CO LTD [JP]
- [E] EP 2418121 A2 20120215 - KOITO MFG CO LTD [JP]

Cited by
CN103133965A; EP2597358A3

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 2381167 A2 20111026; EP 2381167 A3 20140101; EP 2381167 B1 20190116; AT 509816 A1 20111115; AT 509816 B1 20120715;
CN 102252250 A 20111123; CN 102252250 B 20140611

DOCDB simple family (application)
EP 11162026 A 20110412; AT 6602010 A 20100422; CN 201110112402 A 20110422