

Title (en)

Collimator lens for a projecting headlight in a motor vehicle

Title (de)

Sammellinse für einen Projektionsscheinwerfer in einem Kraftfahrzeug

Title (fr)

Lentille collimateur pour projecteur dans une véhicule automobile

Publication

EP 1637797 A3 20060830 (DE)

Application

EP 05102823 A 20050411

Priority

SI 200400259 A 20040917

Abstract (en)

[origin: EP1637797A2] The lens [CL] has a smooth surface [SF] on one side and a Fresnel surface [FZL] on the output side. This has a central plane zone [CRS] in the centre. The Fresnel lens region has between two and five profiled ring sections and provides a focussed beam. The lens can be produced as a plastic moulding.

IPC 8 full level

F21V 5/00 (2006.01); **F21V 5/04** (2006.01)

CPC (source: EP US)

F21S 41/255 (2017.12 - EP); **F21S 41/275** (2017.12 - EP); **F21V 5/045** (2013.01 - EP US)

Citation (search report)

- [XA] DE 19856281 A1 20000608 - BOSCH GMBH ROBERT [DE]
- [X] EP 0798506 A2 19971001 - OSRAM SYLVANIA INC [US]

Cited by

EP3379143A1; FR3064339A1; US10415784B2; WO2018229131A1; WO2010028418A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1637797 A2 20060322; **EP 1637797 A3 20060830**; SI 21894 A 20060430

DOCDB simple family (application)

EP 05102823 A 20050411; SI 200400259 A 20040917