

Title (en)

Vehicle's headlamp and process to manufacture a rotating cylinder

Title (de)

Scheinwerfer für Fahrzeuge und Verfahren zum Herstellen einer Blendenwelle

Title (fr)

Projecteur pour véhicule et procédé pour la production du cache rotatif

Publication

**EP 1477731 A3 20050914 (DE)**

Application

**EP 04006812 A 20040322**

Priority

DE 10321435 A 20030512

Abstract (en)

[origin: EP1477731A2] The device has a dish reflector (2) with two focal points and a dipping shaft (4) between the reflector and a lens (3) adjustable into several rotary positions about a rotation axis transverse to the optical axis. The shaft's outer surface (6) has a focal line for each rotary position that produces a light-dark boundary of a light figure. The shaft is an elongated hollow body whose contour and/or focal line is produced by generating an internal pressure. An independent claim is also included for a method of manufacturing a dipping shaft for a headlamp.

IPC 1-7

**F21V 14/08; F21V 11/16; B60Q 1/14**

IPC 8 full level

**F21V 14/08** (2006.01)

CPC (source: EP)

**F21S 41/698** (2017.12)

Citation (search report)

- [X] DE 4436684 A1 19950504 - KOITO MFG CO LTD [JP]
- [X] WO 9903616 A1 19990128 - COSMA INT INC [CA]
- [A] US 5743634 A 19980428 - SITZEMA RONALD L [US], et al
- [A] EP 0900972 A1 19990310 - HELLA KG HUECK & CO [DE]

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JP2012114010A; EP2597356A3; WO2010031743A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1477731 A2 20041117; EP 1477731 A3 20050914; DE 10321435 A1 20041202**

DOCDB simple family (application)

**EP 04006812 A 20040322; DE 10321435 A 20030512**