

Title (en)  
Headlamp for vehicles

Title (de)  
Scheinwerfer für Fahrzeuge

Title (fr)  
Phare pour véhicules

Publication  
**EP 2381164 B1 20181010 (DE)**

Application  
**EP 11162031 A 20110412**

Priority  
AT 6612010 A 20100422

Abstract (en)  
[origin: EP2381164A2] The headlamp has a diaphragm shaft comprising a cover surface, which comprises a focal line for rotary positions. The cover surface of the diaphragm shaft comprises grooves (30-35) at a region of the focal line for dimmed light. The grooves run parallel to a rotation axis of the diaphragm shaft. The adjacent grooves are directly limited together in a rotation direction and/or a circumferential direction. The adjacent grooves are separated from each other by common point edges (40-45). The grooves completely penetrate a focal line section, which run in an inclined manner.

IPC 8 full level  
**F21S 41/698** (2018.01)

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

Citation (examination)  
• US 2005201117 A1 20050915 - SUGIMOTO ATSUSHI [JP], et al  
• US 2007217194 A1 20070920 - LEE KYU-SUP [KR]

Cited by  
EP2484958A3; JP2012195101A

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

DOCDB simple family (publication)  
**EP 2381164 A2 201111026; EP 2381164 A3 20140101; EP 2381164 B1 20181010**; AT 509830 A1 20111115; AT 509830 B1 20120715; CN 102278685 A 20111214; CN 102278685 B 20140716

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