

Title (en)

Optical design of a reflector for reflecting light rays

Title (de)

Optisches Design für einen Reflektor zum Reflektieren von Lichtstrahlen

Title (fr)

Conception de l'optique d'un réflecteur pour réfléchir des rayons lumineux

Publication

EP 1643186 A1 20060405 (DE)

Application

EP 05027056 A 20000117

Priority

- EP 00100805 A 20000117
- DE 19910192 A 19990309

Abstract (en)

The light beam reflector has a reflection surface of facets to give a light field. A hollow body has a lamp at one end and a light outlet opening at the other end. The reflection surface, on a plan view in the hollow body, is divided into columns extending from the outlet opening to the lamp mounting, with the facets in rows with curvature radii which vary within a row to give a circular light field contour with a lamp without rotation symmetry, according to the value of the spatial angle where the facet takes up the light. At least some facets are cylindrical and at least some are spherical.

IPC 8 full level

F21V 7/04 (2006.01); **G02B 5/10** (2006.01); **F21V 7/09** (2006.01)

CPC (source: EP US)

F21V 7/04 (2013.01 - EP US); **F21V 7/048** (2013.01 - EP US); **F21V 7/09** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (publication)

EP 1035370 A2 20000913; **EP 1035370 A3 20011031**; **EP 1035370 B1 20051221**; AT E313759 T1 20060115; AT E392583 T1 20080515; DE 19910192 A1 20000921; DE 19910192 C2 20020404; DE 50011880 D1 20060126; DE 50015114 D1 20080529; EP 1643186 A1 20060405; EP 1643186 B1 20080416; JP 2000275414 A 20001006; US 6361175 B1 20020326

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