

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 1035370 B1 20051221 (DE)**

Application

**EP 00100805 A 20000117**

Priority

DE 19910192 A 19990309

Abstract (en)

[origin: EP1035370A2] The reflector has a reflection surface with facets for reflecting light beams and for generating a light field with a hollow base body with a first end for accommodating a light body and a second end with a light outlet opening. The shapes of individual facets and their positions wrt. the optical axis of the reflector are selected in a defined manner to produce a defined light field contour for a given shape of light body.

IPC 1-7

**F21V 7/04**

IPC 8 full level

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

Cited by

EP2090823A1; EP2204607A3; CN103244906A; DE102009012210A1; US8197101B2; EP2320129A1; DE102009053207A1; US8366277B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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

DOCDB simple family (application)

**EP 00100805 A 20000117**; AT 00100805 T 20000117; AT 05027056 T 20000117; DE 19910192 A 19990309; DE 50011880 T 20000117; DE 50015114 T 20000117; EP 05027056 A 20000117; JP 2000065429 A 20000309; US 52129000 A 20000308