

Title (en)

Reflector for a lamp and method to determine the shape of a reflector.

Title (de)

Reflektor für eine Leuchte und Verfahren zum Bestimmen der Form eines Reflektors.

Title (fr)

Réflecteur pour lampe et procédé pour déterminer sa forme.

Publication

EP 0402740 B1 19950111 (DE)

Application

EP 90110622 A 19900605

Priority

DE 3919334 A 19890613

Abstract (en)

[origin: JPH0330204A] PURPOSE:To obtain the desired luminous intensity distribution and unify the illuminance distribution in a pattern to be irradiated by forming the sectional form of a reflector with a no-conic curve. CONSTITUTION:A sectional curve R is obtained by connecting multiple coordinate points obtained on the basis of a distance between intersections of two conic curves E1, E2 crossing a straight line 2 and a distance function, and thereafter, the sectional curve R is dislocated three dimensionally to obtain a solid shape, and the sectional form of a reflector is formed with no-conic curve. The reflection characteristic thereof is thereby different from a conventional reflector using a conic curve, and the illuminance distribution of an irradiated pattern is unified, and furthermore, a boundary of the pattern is appeared clear.

IPC 1-7

F21V 7/04

IPC 8 full level

F21V 7/00 (2006.01); **F21V 7/04** (2006.01); **F21V 7/09** (2006.01); **G02B 5/10** (2006.01)

CPC (source: EP US)

F21V 7/04 (2013.01 - EP US); **F21V 7/09** (2013.01 - EP US); **Y10S 359/90** (2013.01 - EP US)

Cited by

US5408363A; US5136491A; EP0615094A1; EP0596004A4; DE19940207A1; DE19940207B4

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0402740 A2 19901219; **EP 0402740 A3 19911211**; **EP 0402740 B1 19950111**; **EP 0402740 B2 19980715**; DE 3919334 A1 19901220; DE 59008220 D1 19950223; JP H0330204 A 19910208; JP H0738285 B2 19950426; US 5136491 A 19920804

DOCDB simple family (application)

EP 90110622 A 19900605; DE 3919334 A 19890613; DE 59008220 T 19900605; JP 15254690 A 19900613; US 53642390 A 19900612