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 A2 19901219 (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.

Abstract (de)

Ein Reflektor für eine Leuchte weist eine Form auf, die in einem die optische Achse 1 enthaltenden Schnitt zwischen zwei Kurven liegt, welche die Reflektorschnittkurve R einhüllen. Bei den einhüllenden Kurven kann es sich un zwei Ellipsen, zwei Parabeln oder eine Ellipse und eine Parabel handeln.

IPC 1-7

F21V 7/04

IPC 8 full level

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

CPC (source: EP US)

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

Cited by

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