

Title (en)

Projector with smooth cover lens, particularly for vehicles, and manufacturing process for the reflector of same

Title (de)

Scheinwerfer mit glatter Scheibe, insbesondere für Kraftfahrzeuge, und Verfahren zum Herstellen des Reflektors eines solchen Scheinwerfers

Title (fr)

Projecteur à glace lisse, notamment pour véhicule automobile, et procédé de fabrication du réflecteur d'un tel projecteur

Publication

EP 0645578 B1 19990310 (FR)

Application

EP 94402109 A 19940922

Priority

FR 9311403 A 19930924

Abstract (en)

[origin: EP0645578A2] This headlamp comprises a light source, a reflector (20) having a base surface (23) chosen to form, in an axial and horizontal illumination direction (DELTA), images of the source in a defined distribution, and a cover lens (30). According to the invention, the cover lens has essentially no deflecting striations and the reflector comprises, over at least a part of its surface, a plurality of zones in which the said base surface (23) is replaced by substitution surfaces (24) whose contour is defined by the projection onto this base surface of a plane network (40) of polygonal zones (41) defined as a function of a predetermined distribution of the light flux. This network of zones is similar to that which would have been obtained if a network of striation zones had been formed on the cover lens, and the differential separation, in a horizontal plane, between the base surface and the substitution surface corresponds to the profile which the similar striation which would have been formed in this case on the cover lens would have. <IMAGE>

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IPC 8 full level

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