

Title (en)

ROTATIONAL ASYMMETRIC PARA-ELLIPSOIDAL AND BI-ELLIPSOIDAL REFLECTORS FOR LIGHTING INSTALLATIONS.

Title (de)

DREHBARE ASYMMETRISCHE PARAELLIPSOIDALE UND BI-ELLIPSOIDALE REFLEKTOREN FÜR BELEUCHTUNGSANLAGEN

Title (fr)

RÉFLECTEURS PARA-ELLIPSOÏDAUX ET BI-ELLIPSOÏDAUX ASYMÉTRIQUES EN TERMES DE ROTATION POUR ÉCLAIRER DES INSTALLATIONS

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Application

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Abstract (en)

[origin: WO2013144005A1] The object of the present invention is a procedure for construction of a rotational asymmetric assembled reflector (6, 12) for projectors for lighting installations, with an angle of asymmetry, α , between an axis corresponding to a light beam of maximum light intensity and an axis orthogonal to a light output plane, comprising construction of a rotationally symmetrical solid (5, 10) symmetrical with respect to an axis of rotation (X), formed by two rotationally symmetrical solids (65, 66, 125, 126) having a same tangent plane (69, 129) at common points (68, 128) along a conjunction line (67, 127) of said rotationally symmetrical solids (65, 66, 125, 126); cutting of said rotationally symmetrical solid (5, 10) according to a cutting plane (60) inclined to an axis (Y) orthogonal to said axis of rotation (X), by an angle corresponding to the said angle of asymmetry, α , aimed at obtaining two parts (51, 52, 111, 112); rotation of about 180 ° of one (52, 112) of the two parts obtained by means of said cutting around an axis orthogonal to a plane (X, Y) containing said axis of rotation (X) and its orthogonal axis (Y); assembling of the parts (51, 52, 111, 112) thanks to connecting means (61, 121); overlapping of a quantity (OL) of one part (52, 112) with respect to the other part (51, 111); adjustment of the inclination of the parts (51, 52, 111, 112) according to a optimum light performance; assembling (62, 122) of the parts (51, 52, 111, 112). (Fig. 10).

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