

Title (en)
INCANDESCENT LAMP WITH A REFLECTING COATING

Title (de)
GLÜHLAMPE MIT REFLEXIONSSCHICHT

Title (fr)
LAMPE A INCANDESCENCE A COUCHE DE REFLEXION

Publication
EP 0891628 B1 20030910 (DE)

Application
EP 98906822 A 19980119

Priority
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• DE 19701792 A 19970120

Abstract (en)
[origin: DE19701792A1] An electric incandescent lamp, in particular a halogen incandescent lamp (9) with a rotationally symmetrical lamp bulb (10) and an I.R. radiation reflecting coating (14), has an ellipsoidal partial contour. The ellipsoidal partial contour of the lamp bulb is produced by an elliptical section, the semiaxis of which is oriented vertically to the longitudinal axis, i.e. vertically to the rotational axis of the lamp bulb (10), and is longer than the greatest radius R of the lamp bulb. The length of the smallest semiaxis b lies preferably in the range $R < b < R + 5 \cdot wr$, where R and wr respectively stand for the greatest radius of the lamp bulb (10) and the radius of the rotationally symmetrical luminous element (15). The lamp (9) is characterized by uniform back reflection of the I.R. radiation onto the luminous element (15) arranged centrically on-axis inside the lamp bulb (10), and thus by a regular temperature distribution, as well as by increased lamp efficiency.

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H01K 1/28

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