

Title (en)  
INCANDESCENT LAMP WITH REFLECTION COATING

Title (de)  
GLÜHLAMPE MIT REFLEXIONSSCHICHT

Title (fr)  
LAMPE A INCANDESCENCE A COUCHE DE REFLEXION

Publication  
**EP 0894336 B1 20021218 (DE)**

Application  
**EP 98906823 A 19980119**

Priority  
• DE 9800150 W 19980119  
• DE 19701794 A 19970120

Abstract (en)  
[origin: DE19701794A1] An electric filament incandescent in lamp, in particular a halogen incandescent lamp (9) with a rotationally symmetrical lamp bulb (10) and 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 large semiaxis, and, consequently focal axis of which is oriented vertically to the longitudinal axis, i.e. vertically to the rotational axis of the lamp bulb (10). The length of the large semiaxis (a) lies preferably in the range  $R < a < R + 5 \cdot w_r$ , wherein R and  $w_r$  respectively stand for the greatest radius of the lamp bulb (10) and the radius of the cylindrical luminous element (15). The lamp (9) is characterized by uniform back reflection of the I.R. radiation onto the cylindrical 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.

IPC 1-7  
**H01K 1/28**

IPC 8 full level  
**H01K 1/28** (2006.01); **H01K 1/32** (2006.01)

CPC (source: EP KR US)  
**H01K 1/28** (2013.01 - EP KR US)

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**US 6111344 A 20000829**; CN 1146013 C 20040414; CN 1216155 A 19990505; DE 19701794 A1 19980723; DE 59806689 D1 20030130; EP 0894336 A1 19990203; EP 0894336 B1 20021218; HU 222331 B1 20030628; HU P0000618 A2 20000628; HU P0000618 A3 20011029; JP 2000507389 A 20000613; JP 4229985 B2 20090225; KR 100391936 B1 20030919; KR 20000064566 A 20001106; TW 355809 B 19990411; WO 9832158 A1 19980723

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