

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 A1 19990120 (DE)

Application
EP 98906822 A 19980119

Priority
• DE 9800149 W 19980119
• DE 19701792 A 19970120

Abstract (en)
[origin: US6160341A] PCT No. PCT/DE98/00149 Sec. 371 Date Sep. 11, 1998 Sec. 102(e) Date Sep. 11, 1998 PCT Filed Jan. 19, 1998 PCT Pub. No. WO98/32157 PCT Pub. Date Jul. 23, 1998An electric incandescent lamp with a rotationally symmetrical lamp bulb and an IR radiation reflecting coating 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, and is longer than the greatest radius of the lamp bulb. The length of the smallest semiaxis lies preferably in the range of $R < b < R + 5xwx$, wherein R and wx denote the largest radius of the lamp bulb and the radius of the rotational symmetrical luminous element, respectively. The lamp is characterized by uniform back reflection of IR radiation onto the luminous element arranged centrally inside the lamp bulb, and thus by a uniform temperature distribution and increased efficiency.

IPC 1-7
H01K 1/28

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

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

Citation (search report)
See references of WO 9832157A1

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
US 6160341 A 20001212; CA 2249374 A1 19980723; CA 2249374 C 20060321; CN 1146014 C 20040414; CN 1216156 A 19990505; DE 19701792 A1 19980723; DE 59809533 D1 20031016; EP 0891628 A1 19990120; EP 0891628 B1 20030910; HU 223239 B1 20040428; HU P0000469 A2 20000628; HU P0000469 A3 20000728; JP 2000507388 A 20000613; JP 4223563 B2 20090212; KR 100420874 B1 20040417; KR 20000064567 A 20001106; TW 360895 B 19990611; WO 9832157 A1 19980723

DOCDB simple family (application)
US 14257998 A 19980911; CA 2249374 A 19980119; CN 98800048 A 19980119; DE 19701792 A 19970120; DE 59809533 T 19980119; DE 9800149 W 19980119; EP 98906822 A 19980119; HU P0000469 A 19980119; JP 53352798 A 19980119; KR 19980707060 A 19980908; TW 86119963 A 19971230