

Title (en)

Lamp type heater and manufacturing method thereof

Title (de)

Halogenstrahlerheizelement und Verfahren zu dessen Herstellung

Title (fr)

Élément chauffant à lampe halogène et son procédé de fabrication

Publication

EP 1643540 A3 20100106 (EN)

Application

EP 05018769 A 20050830

Priority

JP 2004287011 A 20040930

Abstract (en)

[origin: EP1643540A2] A luminescent color is controlled easily without changing a manufacturing condition and a film material, by forming films on a radiation transmissive bulb on whose surface a Frost process is performed while varying a film thickness into concave and convex to thereby adjust the film thickness. A depth of a Frost 19 formed by performing a Frost process on a surface of a bulb 12 made of quartz glass, is set to be approximately over 4 μm , or 2 μm or more and 4 μm or less. As a first layer, a low refractive index film 21 whose major constituent is SiO_2 is formed by coating it on the Frost 19 by a dipping method and thereafter baking it, and as a second layer, a high refractive index film 22 whose major constituent is Fe_2O_3 is formed by coating it by the dipping method and thereafter baking it. The low refractive index films 21 and the high refractive index films 22 of a third and subsequent layers are alternately formed in plural layers.

IPC 8 full level

H01K 1/32 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)

H01K 1/32 (2013.01); **H05B 3/009** (2013.01); **H05B 3/04** (2013.01); **H05B 2203/032** (2013.01)

Citation (search report)

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- [A] EP 0617300 A1 19940928 - GEN ELECTRIC [US]
- [A] US 4721877 A 19880126 - KAWAKATSU AKIRA [JP], et al
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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