

Title (en)

METHOD FOR THE MANUFACTURING OF AN ELECTRIC INCANDESCENT LAMP

Publication

EP 0141402 B1 19880629 (DE)

Application

EP 84113117 A 19841031

Priority

DE 3340387 A 19831108

Abstract (en)

[origin: EP0141402A2] 1. Process for manufacturing an electrical incandescent lamp with a mushroom-shaped lamp bulb made of glass which, on its internal surface between the neck of the bulb and the maximum bulb diameter, is provided with an SiO₂ layer which reflective to visible radiation and which reflects the radiation in an intensified manner to the bulb bowl, and the bulb bowl of which has an internal surface which diffuses visible radiation, a coating nozzle with a deflector shield attached to it being placed inside the lamp bulb to apply the SiO₂ coating, and the fine SiO₂ powder particles carried by a gas stream being blown into a heated lamp bowl and applied to the internal wall of the bulb in the electrostatic field, characterized in that the internal surface of the bulb bowl which diffuses visible radiation also consists of an SiO₂ coating which is applied in one operating cycle with the coating which is reflective to visible radiation between the neck of the bulb and the maximum bulb diameter, the deflector shield being formed as a flat, circular disc which is positioned concentrically with the coating nozzle and at the level of the maximum bulb diameter, and the bulb bowl of the otherwise heated lamp bulb being cooled during the coating.

IPC 1-7

H01K 1/32

IPC 8 full level

H01K 1/32 (2006.01)

CPC (source: EP)

H01K 1/32 (2013.01)

Citation (examination)

- PHILIPS Compact lightning catalogues, S. 24-25, Ed. 4/81
- PHILIPS Produktliste Licht/Batterien 1982/1983

Cited by

EP0237104A1; WO9110256A1

Designated contracting state (EPC)

AT DE FR GB IT

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