Title (en)

FLAT SPOTLIGHT WITH DISCHARGE SEPARATED BY A DIELECTRIC LAYER AND DEVICE FOR THE ELECTRODES INTO THE LEADING DISCHARGE AREA

Title (de)

FLACHSTRAHLER MIT DIELEKTRISCH BEHINDERTER ENTLADUNG UND ANORDNUNG ZUR DURCHFÜHRUNG DER ELEKTRODEN IN DEN ENTLADUNGSRAUM

Title (fr)

SPOT PLAT A DECHARGE SEPAREE PAR UNE COUCHE DIELECTRIQUE ET DISPOSITIF DESTINE AU PASSAGE DES ELECTRODES DANS L'ESPACE DE DECHARGE

Publication

EP 0968521 A1 20000105 (DE)

Application

EP 98925419 A 19980320

Priority

- DE 9800828 W 19980320
- DE 19711891 A 19970321
- DE 19729175 A 19970708

Abstract (en)

[origin: WO9843280A1] The invention relates to a flat spotlight (1) with a closed, gas-filled discharge vessel (2) and enclosing band-shaped electrodes separated from the discharge by a dielectric layer. The discharge vessel (2) consists of at least one base plate (5) and one cover plate (6) which are assembled by soldering (8) so as to be gastight, and optionally, also by means of an additional frame (7) placed between the cover and base plate. In addition, the band-shaped internal electrodes (3, 4) verge into passages (10, 11), and these passages verge into external power leads (12, 13) in such a way that the internal electrodes (3, 4), the passages (10, 11) and the external power leads (12, 13) are respectively conceived as functionally different sections of structures (3, 10, 12; 4, 11, 13) of the printed conductor type on the cathodes and/or anodes. At least the anodes (4) are respectively coated with a dielectric layer (17). The passages (10, 11) are, in addition, optionally covered by the soldering (8) so as to be gastight.

IPC 1-7

H01J 65/00; H01J 5/46; H01J 5/02

IPC 8 full level

H01J 61/30 (2006.01); **H01J 61/36** (2006.01); **H01J 65/04** (2006.01); **H01J 65/00** (2006.01)

CPC (source: EP KR)

H01J 61/307 (2013.01 - EP); **H01J 65/00** (2013.01 - KR); **H01J 65/046** (2013.01 - EP)

Designated contracting state (EPC)

BE CH DE DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9843280 A1 19981001; CA 2281091 A1 19981001; CA 2281091 C 20061121; CN 1251205 A 20000419; CN 1278375 C 20061004; DE 19729175 A1 19990114; DE 59814343 D1 20090326; EP 0968521 A1 20000105; EP 0968521 B1 20090211; HU P0003101 A2 20010129; HU P0003101 A3 20030228; JP 2000510283 A 20000808; JP 3490461 B2 20040126; KR 100417438 B1 20040205; KR 20000076318 A 20001226; TW 393665 B 20000611

DOCDB simple family (application)

DE 9800828 W 19980320; CA 2281091 A 19980320; CN 98803509 A 19980320; DE 19729175 A 19970708; DE 59814343 T 19980320; EP 98925419 A 19980320; HU P0003101 A 19980320; JP 54206098 A 19980320; KR 19997008419 A 19990916; TW 87104176 A 19980320