Title (en)

DIELECTRIC-BARRIER DISCHARGE LAMP

Title (de)

DIELEKTRISCHE BARRIEREN-ENTLADUNGSLAMPE

Title (fr)

LAMPE A DECHARGE A BARRIERE DIELECTRIQUE

Publication

EP 1334510 A1 20030813 (DE)

Application

EP 01982134 A 20010924

Priority

- DE 0103679 W 20010924
- DE 10048986 A 20000927

Abstract (en)

[origin: WO0227762A1] The invention relates to a dielectric-barrier discharge lamp, comprising a lamp cap (2), an elongated discharge receptacle (1) and strip-type external electrodes (5a-5f). Said lamp has a corresponding contact spring (7a-7f) for each external electrode. The contact springs are located inside the lamp cap. The latter also comprises a lamp cap casing (6), which surrounds one end of the discharge receptacle (1) in such a way that the strip-type external electrode (5a-5f) or each of said electrodes is in electrically conductive contact with the or one corresponding contact spring (7a-7f). The transversal dimension of the individual contact springs is preferably less than or equal to the width of the corresponding strip-type external electrode, at least in the region of the establishment of contact. This construction unites a simple assembly of the lamp cap with a reliable establishment of contact and excellent lamp efficiency.

IPC 1-7

H01J 65/04; H01J 5/50; H01J 5/54

IPC 8 full level

H01J 5/50 (2006.01); **H01J 5/54** (2006.01); **H01J 65/00** (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP)

H01J 5/54 (2013.01); **H01J 65/046** (2013.01)

Citation (search report)

See references of WO 0227762A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0227762 A1 20020404; AT 420456 T 20090115; CA 2392373 A1 20020404; CA 2392373 C 20101109; DE 10048986 A1 20020411; DE 50114646 D1 20090226; EP 1334510 A1 20030813; EP 1334510 B1 20090107; JP 2004510310 A 20040402; JP 4610850 B2 20110112; KR 100834186 B1 20080530; KR 20020053878 A 20020705; TW 507248 B 20021021; US 2002163312 A1 20021107; US 6847157 B2 20050125

DOCDB simple family (application)

DE 0103679 W 20010924; AT 01982134 T 20010924; CA 2392373 A 20010924; DE 10048986 A 20000927; DE 50114646 T 20010924; EP 01982134 A 20010924; JP 2002531462 A 20010924; KR 20027006609 A 20020523; TW 90120857 A 20010824; US 13060402 A 20020521