

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: US6847157B2] A dielectric barrier discharge lamp having a cap (2), an elongate discharge vessel (1) and strip-like outer electrodes (5a-5f) has a corresponding contact spring (7a-7f) for each outer electrode. These contact springs are arranged in the interior of the cap. The cap also includes a cap sleeve (6), which surrounds one end of the discharge vessel (1) in such a manner that the or each strip-like outer electrode (5a-5f) is in electrically conductive contact with the or a corresponding contact spring (7a-7f). Preferably, the transverse extent of the individual contact springs, at least in the region of the contact, is less than or equal to the width of the corresponding strip-like outer electrode. This design combines ease of installation of the cap with a reliable contact and a high lamp efficiency.

IPC 1-7
H01J 65/04; H01J 5/54; H01J 5/50

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 KR US)
H01J 5/54 (2013.01 - EP US); **H01J 65/04** (2013.01 - KR); **H01J 65/046** (2013.01 - EP US)

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 E420456 T1 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