

Title (en)

Dielectric barrier discharge lamp with external electrodes and lighting system with this lamp

Title (de)

Dielektrische Barriere-Entladungslampe mit Aussenelektroden und Beleuchtungssystem mit dieser Lampe

Title (fr)

Lampe décharge à barrière diélectrique avec électrodes externes et système d'illumination utilisant une telle lampe

Publication

EP 1589563 A3 20071226 (DE)

Application

EP 05005987 A 20050318

Priority

DE 102004020398 A 20040423

Abstract (en)

[origin: EP1589563A2] The discharge vessel (1) has concentric cylinders (3,4) sealed at both ends (5,6,7) with a xenon and neon gas volume (8) and having fluorescent coatings (10) on the inner surfaces. Within the inner cylinder are four strips of electrode material (11) connected (12) to the starter (13) in the cap (2).

IPC 8 full level

H01J 65/00 (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP KR US)

A41D 13/1107 (2013.01 - KR); **A62B 18/025** (2013.01 - KR); **A62B 23/025** (2013.01 - KR); **H01J 65/046** (2013.01 - EP US)

Citation (search report)

- [XY] JP 2004031229 A 20040129 - TOSHIBA LIGHTING & TECHNOLOGY
- [Y] JP 2003100258 A 20030404 - TOSHIBA LIGHTING & TECHNOLOGY
- [Y] US 2002067130 A1 20020606 - FALKENSTEIN ZORAN [US]
- [Y] EP 0926704 A1 19990630 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [A] US 5994849 A 19991130 - VOLLKOMMER FRANK [DE], et al
- [A] EP 1154461 A1 20011114 - PHILIPS CORP INTELLECTUAL PTY [DE], et al
- [A] JP H1131480 A 19990202 - TOSHIBA LIGHTING & TECHNOLOGY

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1589563 A2 20051026; **EP 1589563 A3 20071226**; CA 2505278 A1 20051023; CN 1691272 A 20051102; DE 102004020398 A1 20051110; JP 2005310796 A 20051104; KR 100783207 B1 20071206; KR 20060047345 A 20060518; TW 200539231 A 20051201; TW I271773 B 20070121; US 2005236997 A1 20051027

DOCDB simple family (application)

EP 05005987 A 20050318; CA 2505278 A 20050420; CN 200510066904 A 20050425; DE 102004020398 A 20040423; JP 2005126535 A 20050425; KR 20050033163 A 20050421; TW 94110489 A 20050401; US 10982705 A 20050420