

Title (en)

Method for producing a two-sided high-pressure discharge lamp.

Title (de)

Verfahren zur Herstellung einer zweiseitigen Hochdruckentladungslampe.

Title (fr)

Procédé de préparation d'une lampe à décharge à haute pression à deux culots.

Publication

EP 0374676 B1 19950329 (DE)

Application

EP 89122830 A 19891211

Priority

DE 3842770 A 19881219

Abstract (en)

[origin: EP0374676A2] In the manufacture of a two-sided flattened metal halogenide high-pressure discharge lamp (19), the following process steps are carried out: preforming of the discharge vessel (6) by rolling with N2 dynamic pressure rinse, clamping into the flattening device, introducing the first electro-optical system (7, 8, 9, 10), the power supply (9) being bent in a zig-zag shape and resting on the inner wall of the quartz tube (1) in a self-supporting fashion, manufacture of the first flattened portion (12) with Ar rinse, high-vacuum baking during insertion into the glovebox filled with xenon, filling in the filling substances (14, 15), introducing the second electro-optical system (7, 8, 9, 10), fusing the open tube end tight with a plasma torch, removal from the glovebox, manufacture of the second flattened portion (18) with simultaneous freezing out of the xenon contained in the discharge vessel (6) at at least -112 DEG C, removal of the lamp (19) from the flattening device and removal of the projecting ends of the quartz tube. There is no pump tube on the discharge vessel (6). <IMAGE>

IPC 1-7

H01J 9/24

IPC 8 full level

H01J 9/32 (2006.01); **H01J 9/24** (2006.01); **H01J 9/40** (2006.01); **H01J 61/36** (2006.01)

CPC (source: EP)

H01J 9/247 (2013.01)

Cited by

KR100810167B1; US7459854B2; US7261610B2; WO03105178A3

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0374676 A2 19900627; **EP 0374676 A3 19910508**; **EP 0374676 B1 19950329**; DD 290503 A5 19910529; DE 3842770 A1 19900621; DE 58909143 D1 19950504; HU 203427 B 19910729; HU 896664 D0 19900228; HU T52892 A 19900828; JP 2723638 B2 19980309; JP H02220327 A 19900903

DOCDB simple family (application)

EP 89122830 A 19891211; DD 33584589 A 19891218; DE 3842770 A 19881219; DE 58909143 T 19891211; HU 666489 A 19891218; JP 32750989 A 19891219