

Title (en)

METHOD FOR PRODUCING A TWO-SIDED HIGH-PRESSURE DISCHARGE LAMP

Publication

EP 0374679 A3 19910508 (DE)

Application

EP 89122833 A 19891211

Priority

DE 3842769 A 19881219

Abstract (en)

[origin: EP0374679A2] 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 a 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, 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 cooling of the discharge vessel (6), removal of the lamp (19) from the flattening device and removal of the projecting ends of the quartz tube as well as, if necessary, of the ends of the power supplies (9). There is no pump tube on the discharge vessel (6). <IMAGE>

IPC 1-7

H01J 9/24

IPC 8 full level

H01J 9/24 (2006.01); **H01J 9/32** (2006.01); **H01J 9/38** (2006.01); **H01J 9/395** (2006.01)

CPC (source: EP)

H01J 9/247 (2013.01)

Citation (search report)

- [Y] US 3689799 A 19720905 - SENFT STEPHEN P
- [Y] EP 0204061 A1 19861210 - LUMALAMPAN AB [SE]
- [A] DE 2127526 A1 19721214 - LICENTIA GMBH
- [A] DE 3702813 A1 19870813 - TUNGSRAM RESZVENYTARSASAG [HU]
- [A] EP 0055416 A2 19820707 - TOKYO SHIBAURA ELECTRIC CO [JP]
- [A] US 3305289 A 19670221 - FRIDRICH ELMER G
- [A] PATENT ABSTRACTS OF JAPAN, Band 1, Nr. 15, 23. März 1977, Seite 1195 M 76; & JP-A-51 128 179 (IWASAKI DENKI) 11-08-1976

Cited by

EP0944109A1; EP0892423A3; CN107029635A; US6791271B2; WO2009115118A1; WO2005122206A3; EP1722399A2; US7489078B2

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0374679 A2 19900627; **EP 0374679 A3 19910508**; **EP 0374679 B1 19950315**; DD 290504 A5 19910529; DE 3842769 A1 19900621; DE 58909112 D1 19950420; HU 203170 B 19910528; HU 896665 D0 19900228; HU T52893 A 19900828; JP 2804134 B2 19980924; JP H02223131 A 19900905

DOCDB simple family (application)

EP 89122833 A 19891211; DD 33584289 A 19891218; DE 3842769 A 19881219; DE 58909112 T 19891211; HU 666589 A 19891218; JP 32750889 A 19891219