

Title (en)

Introducing a liquid into an article.

Title (de)

Einbringen einer Flüssigkeit in einen Gegenstand.

Title (fr)

Introduction d'un liquide dans un article.

Publication

**EP 0568317 A1 19931103 (EN)**

Application

**EP 93303280 A 19930427**

Priority

US 87561492 A 19920428

Abstract (en)

An alumina sphere (10) having a porous wall structure and a cavity within is employed to introduce mercury into an arc discharge lamp, such as a fluorescent lamp (20). Mercury is introduced into the ceramic sphere by subjecting the sphere to reduced pressure, surrounding it with liquid mercury and increasing the pressure to force the mercury inside. The mercury-containing sphere is then introduced into the exhaust tube of the lamp before it is sealed. Heat or a combination of heat and reduced pressure is used to drive the mercury out of the sphere and into the interior of the lamp.

<IMAGE>

IPC 1-7

**H01J 61/28**; H01J 9/395

IPC 8 full level

**H01J 9/395** (2006.01); **H01J 61/24** (2006.01); **H01J 61/28** (2006.01)

CPC (source: EP)

**H01J 9/395** (2013.01); **H01J 61/28** (2013.01)

Citation (search report)

- [X] US 4793980 A 19881227 - TOROBIN LEONARD B [US]
- [X] EP 0479259 A2 19920408 - TOSHIBA LIGHTING & TECHNOLOGY [JP]
- [A] DE 8535777 U1 19880721

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