Title (en)

Method and device for introducing an exactly dosable amount of mercury into a discharge lamp

Title (de)

Verfahren und Vorrichtung zum Einbringen einer genau dosierbaren Menge Quecksilber in eine Entladungslampe

Title (fr)

Méthode et dispositif pour doser une quantité de mercure exactement contrôlable dans une lampe à décharge

Publication

EP 1843380 B1 20090304 (DE)

Application

EP 06007445 A 20060407

Priority

EP 06007445 A 20060407

Abstract (en)

[origin: EP1843380A1] The method involves introducing the mercury into a dosage volume in form of single drops (16) in a pre-operative step during or after the dosage of the mercury quantity and finally the total introducing quantity of mercury is transported into a filling section by maintaining the drops formed before in the discharge container (13). The discharge container is attached to a lamp holder (11) and is subjected with a gas flow through the lamp holder and further filled with a predetermined quantity of mercury through a tube. A reversal mechanism is provided, which passes a gas flow through a bypass channel (64) to the drops during the pre-operative step and blocks the bypass channel during the filling process in such a way that the gas flow is led while blocking the bypass channel by the dosage volume and carries along the drops into the discharge container. An independent claim is also included for a device for introducing an accurate dosable quantity of mercury into the discharge container of a lamp particularly into a fluorescent tube.

IPC 8 full level

H01J 9/395 (2006.01); **H01J 61/72** (2006.01)

CPC (source: EP US)

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