

Title (en)

COLD ELECTRODE FOR GAS DISCHARGES

Title (de)

KALTE ELEKTRODE FÜR GASENTLADUNGEN

Title (fr)

ELECTRODE FROIDE POUR DECHARGES GAZEUSES

Publication

**EP 0907960 B1 20080220 (DE)**

Application

**EP 98916816 A 19980228**

Priority

- DE 9800595 W 19980228
- DE 29703990 U 19970305

Abstract (en)

[origin: US6417607B1] Cold electrodes for gas discharges have an electrically conductive carrier material on which an emission coating is disposed. The photoelectric output work of the material of the emission coating is less than that of the carrier material or less than  $5.6 \cdot 10^{-19}$  joule/electron. The emission coating can, in particular, contain yttrium. The electrode preferably has the form of a hollow body and can be embedded in a glass body.

IPC 8 full level

**H01J 61/067** (2006.01); **H01J 61/073** (2006.01); **H01J 1/02** (2006.01); **H01J 1/30** (2006.01); **H01J 9/02** (2006.01); **H01J 61/09** (2006.01)

CPC (source: EP US)

**H01J 1/025** (2013.01 - EP US); **H01J 9/022** (2013.01 - EP US); **H01J 61/0672** (2013.01 - EP US); **H01J 61/0677** (2013.01 - EP US); **H01J 61/09** (2013.01 - EP US)

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