

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)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6417607 B1 20020709; AT E387008 T1 20080315; BR 9805925 A 20000425; CN 1152411 C 20040602; CN 1219283 A 19990609; DE 29703990 U1 19970417; DE 59814169 D1 20080403; EP 0907960 A2 19990414; EP 0907960 B1 20080220; JP 2000510996 A 20000822; JP 4510941 B2 20100728; WO 9839791 A2 19980911; WO 9839791 A3 19990304

DOCDB simple family (application)

US 18033998 A 19981105; AT 98916816 T 19980228; BR 9805925 A 19980228; CN 98800242 A 19980228; DE 29703990 U 19970305; DE 59814169 T 19980228; DE 9800595 W 19980228; EP 98916816 A 19980228; JP 53805298 A 19980228