

Title (en)

ELECTRON-EMITTING DEVICE HAVING SPECIALLY CONFIGURED FOCUS COATING AND FABRICATION OF SUCH A DEVICE

Title (de)

ELEKTRONENEMITTIERENDE VORRICHTUNG MIT EINER SPEZIELLEN FOKUSSCHICHT UND VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF EMETTEUR D'ELECTRONS A REVETEMENT DE FOCALISATION SPECIALEMENT CONFIGURE ET FABRICATION D'UN TEL DISPOSITIF

Publication

EP 0985222 A1 20000315 (EN)

Application

EP 98928822 A 19980527

Priority

- US 9809906 W 19980527
- US 86655497 A 19970530
- US 86615197 A 19970530

Abstract (en)

[origin: WO9854745A1] An electron-emitting device contains an electron focusing system (37 or 37A) formed with a base focusing structure (38 or 38A) and a focus coating (39 or 39A) that penetrates, preferably only pathway, into a focus opening (40) extending through the base focusing structure. The focus coating, normally of lower resistivity than the base focusing structure, is typically formed by an angled deposition technique. An access conductor (106 or 106A) is preferably electrically coupled to the lower surface of the focus coating. A potential for controlling the focusing of electrons that travel through the focus opening is provided to the focus coating via the access conductor.

IPC 1-7

H01J 31/12; **H01J 1/30**; **H01J 19/24**

IPC 8 full level

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CPC (source: EP KR)

H01J 1/30 (2013.01 - KR); **H01J 3/022** (2013.01 - EP); **H01J 9/148** (2013.01 - EP); **H01J 29/467** (2013.01 - EP)

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