

Title (en)

FIELD EMISSION DEVICE USING A REDUCING GAS AND METHOD FOR MAKING SAME

Title (de)

FELDEMISSIONSVORRICHTUNG MIT EINEM REDUKTIONSGAS UND VERFAHREN ZUR HERSTELLUNG

Title (fr)

DISPOSITIF A EMISSION DE CHAMP UTILISANT UN GAZ REDUCTEUR ET FABRICATION D'UN TEL DISPOSITIF

Publication

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Application

EP 00922750 A 20000426

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- FR 9905361 A 19990428

Abstract (en)

[origin: FR2793068A1] The invention concerns a device comprising at least an electron source with field effect in a closed structure defining an internal space which contains a reducing gas for oxidising the material emitting the electron source. The invention is characterised in that the reducing gas comprises a gas of formula NxHy with x = 1 or 2 and y = 3 or 4, advantageously under pressure ranging between 10<-8> mbar and 10<-1> mbar. The invention also concerns methods for making such a device and appliances therefor.

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H01J 29/94

IPC 8 full level

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