

Title (en)
ELECTRON SOURCE AND METHOD FOR PRODUCING SAME

Title (de)
ELEKTRONENQUELLE UND HERSTELLUNGSVERFAHREN

Title (fr)
SOURCE D'ELECTRONS ET PROCEDE DE REALISATION

Publication
EP 0511360 B1 19960131 (FR)

Application
EP 91920863 A 19911115

Priority
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• FR 9014287 A 19901116

Abstract (en)
[origin: WO9209095A1] An electron source is provided, particularly as a point microcathode wherein a microcathode (MP) is located in a cavity (CA) of a dielectric (3). A first gate electrode (VG1) surrounds the cavity (CA) and a second gate electrode (VG2) surrounds the first gate electrode (VG1). The various electrodes have potentials such that the first gate electrode (VG1) acts as an extraction electrode while the second gate electrode acts as a focusing electrode. Applications: field effect microcathodes.

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H01J 3/02; **H01J 9/02**

IPC 8 full level
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