

Title (en)

Semiconductor device for generating an electron current.

Title (de)

Halbleiteranordnung zum Erzeugen eines Elektronenstromes.

Title (fr)

Dispositif semiconducteur pour engendrer un courant d'électrons.

Publication

EP 0404246 B1 19940601 (EN)

Application

EP 90201575 A 19900618

Priority

NL 8901590 A 19890623

Abstract (en)

[origin: EP0404246A1] The efficiency of semiconductor cathodes based on avalanche breakdown is enhanced by using " delta -doping" structures. The quantisation effects introduced thereby decrease the effective work function.

IPC 1-7

H01J 1/30; **H01L 29/66**

IPC 8 full level

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CPC (source: EP)

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Designated contracting state (EPC)

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