

Title (en)
Cold cathode with microtips

Title (de)
Mikrospritzen-Kaltkathode

Title (fr)
Cathode froide à micropointes

Publication
EP 0890973 B1 20020911 (FR)

Application
EP 98401651 A 19980702

Priority
FR 9708793 A 19970710

Abstract (en)
[origin: EP0890973A1] The micropoint cold cathode construction has micropoints (1) on a substrate base (2) with an upper grid hole (3). The specific construction details are that the micropoint peak is distanced at $d=0$ from the top surface level, that the radius of curvature of the point is 25 nm and that the radius of the hole (4) in the grid is 1.3 microns.

IPC 1-7
H01J 1/30

IPC 8 full level
H01J 1/304 (2006.01); **H01J 3/02** (2006.01)

CPC (source: EP US)
H01J 3/022 (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 98401651 A 19980702; DE 69807797 T 19980702; FR 9708793 A 19970710; JP 19481398 A 19980709; US 11232298 A 19980709