

Title (en)

Electron emitter, drive circuit of electron emitter and method of driving electron emitter

Title (de)

Elektronen-Emitter, Ansteuerkreis für Elektronen-Emitter und Verfahren zur Ansteuerung von Elektronen-Emitter

Title (fr)

Emetteur électronique, circuit de commande pour un émetteur électronique et procédé pour commander un émetteur électronique

Publication

EP 1376641 A2 20040102 (EN)

Application

EP 03253962 A 20030624

Priority

- JP 2002183481 A 20020624
- JP 2002289127 A 20021001
- JP 2003154412 A 20030530

Abstract (en)

An electron emitter (10A) has an emitter section (14) formed on a substrate (12), a cathode electrode (16) formed on one surface of the emitter section (14), and an anode electrode (20) formed on the same one surface of the emitter section (14) and cooperating with the cathode electrode (16) in providing a slit (18). A pulse generation source (22) applies a drive voltage (Va) between the cathode electrode (16) and the anode electrode (20). The anode electrode (20) is connected to GND (ground). The slit (18) has a width (d) in the range from 0.1 μm to 50 μm .

IPC 1-7

H01J 1/304; **H01J 1/316**; **H01J 29/04**; **H01J 31/12**

IPC 8 full level

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CPC (source: EP)

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DE FR GB

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