

Title (en)
Electron tube.

Title (de)
Elektronenröhre.

Title (fr)
Tube à rayons électroniques.

Publication
EP 0422451 A1 19910417 (DE)

Application
EP 90118545 A 19900927

Priority
• CH 368989 A 19891010
• CH 454289 A 19891219

Abstract (en)
In an electron tube having a powerfully emitting cathode (1), an anode (4) and at least one autonomous first grid (2) between the cathode (1) and the anode (4), the cathode (1) has powerfully emitting and at most weakly emitting regions (7.1, 7.2, 7.3 and 8 respectively). The powerfully emitting regions (7.1, 7.2, 7.3) are arranged behind openings (6) of the first grid (2), and the at most weakly emitting regions (8) correspond to a shadow cast by the first grid (2), which is adjacent to the cathode (1), onto said cathode (1).

Abstract (de)
In einer Elektronenröhre mit einer stark emittierenden Kathode (1), einer Anode (4) und mindestens einem selbständigen ersten Gitter (2) zwischen Kathode (1) und Anode (4), weist die Kathode (1) stark emittierende und höchstens schwach emittierende Bereiche (7.1, 7.2, 7.3 resp. 8) auf. Die stark emittierenden Bereiche (7.1, 7.2, 7.3) sind hinter Oeffnungen (6) des ersten Gitters (2) angeordnet und die höchstens schwach emittierenden Bereiche (8) entsprechen einem Schattenwurf des der Kathode (1) benachbarten ersten Gitters (2) auf die Kathode (1).

IPC 1-7
H01J 21/14; H01J 23/06

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H01J 1/14 (2006.01); **H01J 1/28** (2006.01); **H01J 3/02** (2006.01); **H01J 19/22** (2006.01); **H01J 19/38** (2006.01); **H01J 21/10** (2006.01)

CPC (source: EP)
H01J 1/28 (2013.01)

Citation (search report)
• [X] GB 2139413 A 19841107 - LITTON SYSTEMS INC
• [Y] GB 2116356 A 19830921 - HITACHI LTD
• [Y] US 3843902 A 19741022 - MIRAM G, et al
• [A] US 4230968 A 19801028 - OGURO TOMOKATSU

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