

Title (en)
Ion pumping of a microtip flat screen

Title (de)
Ionenpumpen eines flachen Mikrospitzen-Schirms

Title (fr)
Pompage ionique d'un écran plat à micropointes

Publication
EP 0893817 B1 20070926 (FR)

Application
EP 98410073 A 19980626

Priority
FR 9708363 A 19970627

Abstract (en)
[origin: EP0893817A1] The screen includes a cathode (1) with electron emitting points (2) and a grating (3) with holes (4) corresponding to the emitting points. The cathode is placed opposite an anode with photoluminescent surface on a glass substrate (6). The emitting points are deposited along conductors (7) which are organised in columns. The grating has rows normal to the direction of the columns. An insulating layer is provided between the grating and the cathode. A vacuumed space (11) is provided between the anode and the cathode which are separated by spacers. An electronic circuit (12) controls the cathode and the anode,

IPC 8 full level
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