Title (en)

Ionic pumping of a flat screen with microdots

Title (de)

Ionenpumpen eines Flachbildschirms mit Mikropunkten

Title (fr)

Pompage ionique d'un écran plat à micropointes

Publication

EP 1814136 B1 20101006 (FR)

Application

EP 07102656 A 19980626

Priority

- EP 98410073 A 19980626
- 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 photoluminiscent 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

H01J 9/44 (2006.01); **H01J 41/18** (2006.01); **H01J 7/16** (2006.01); **H01J 9/39** (2006.01); **H01J 29/04** (2006.01); **H01J 29/18** (2006.01); **H01J 29/94** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP US)

H01J 7/16 (2013.01 - EP US); **H01J 9/39** (2013.01 - EP US); **H01J 29/94** (2013.01 - EP US); **H01J 41/18** (2013.01 - EP US)

Citation (examination)

- US 4389165 A 19830621 - ONO SHOICHI [JP], et al
- GB 1045721 A 19661019 - STANDARD TELEPHONES CABLES LTD

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DE FR GB IT

DOCDB simple family (publication)

FR 2765392 A1 19981231; **FR 2765392 B1 20050826**; DE 69838467 D1 20071108; DE 69838467 T2 20080626; DE 69841931 D1 20101118; EP 0893817 A1 19990127; EP 0893817 B1 20070926; EP 1814136 A2 20070801; EP 1814136 A3 20070815; EP 1814136 B1 20101006; JP 4011742 B2 20071121; JP H1125889 A 19990129; US 6107745 A 20000822

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