

Title (en)

FLAT SCREEN HAVING INDIVIDUALLY DIPOLE-PROTECTED MICRODOTS

Title (de)

FLACHER BILDSCHIRM MIT EINZELNEN DIPOL-GESCHUETZTEN MIKROPUNKTEN.

Title (fr)

ECRAN PLAT A MICROPOINTES PROTEGEES INDIVIDUELLEMENT PAR DIPOLE

Publication

**EP 0625277 B1 19980617 (FR)**

Application

**EP 94900903 A 19931203**

Priority

- FR 9214893 A 19921204
- FR 9301190 W 19931203

Abstract (en)

[origin: WO9414153A1] A flat screen having individually dipole-protected microdots and consisting of a field-emission cathode comprising microdots (12) individually protected by means of a series electrical coupling with a dipole (13) consisting of a depletion mode field effect transistor, said dipoles being designed to enable the protection threshold and the emission current level to be altered on all dots at once solely by changing the biasing of the substrate (14) common to said dipoles. Application in general to the field of display screens.

IPC 1-7

**G09G 3/22; H01J 31/12**

IPC 8 full level

**H01J 31/12** (2006.01); **G09G 3/30** (2006.01); **H01J 1/30** (2006.01); **H01J 1/304** (2006.01); **H01J 29/04** (2006.01); **H01J 29/96** (2006.01); **H01L 29/78** (2006.01)

CPC (source: EP)

**H01J 1/3042** (2013.01); **H01J 29/04** (2013.01); **H01J 2201/319** (2013.01)

Citation (examination)

U. Tietze, Ch. Schenck: "Halbleiterschaltungstechnik", cinquième édition 1980, pages 87, 88,

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**FR 2698992 A1 19940610; FR 2698992 B1 19950317**; DE 69319225 D1 19980723; DE 69319225 T2 19981119; EP 0625277 A1 19941123; EP 0625277 B1 19980617; JP 3486904 B2 20040113; JP H07506456 A 19950713; WO 9414153 A1 19940623

DOCDB simple family (application)

**FR 9214893 A 19921204**; DE 69319225 T 19931203; EP 94900903 A 19931203; FR 9301190 W 19931203; JP 51385294 A 19931203