

Title (en)

Cathode of a flat display screen with constant access resistance

Title (de)

Kathode eines flachen Bildschirms mit konstantem Zugriffswiderstand

Title (fr)

Cathode d'écran plat de visualisation à résistance d'accès constante

Publication

EP 0696045 A1 19960207 (FR)

Application

EP 95410079 A 19950802

Priority

FR 9409925 A 19940805

Abstract (en)

The cathode (1) includes an insulating substrate (10) and a resistive layer (11) which supports an array of micro-tips (2). Cathode conductors (13) are placed on top of the resistive layer over a thin conductor coat (19). The conductors are organised in columns (15) each column encompassing a large number of micro-tips. The micro-tips are located in the centre of circular openings (17) present along the cathode conductors. Each micro-tip is thus separated from the conductor by a circular area of same resistivity. A control grid (3) is associated with the cathode and separated from the conductors by two insulating layers (16,18).

Abstract (fr)

L'invention concerne une cathode (1) à micropointes pour écran plat de visualisation, du type comportant un substrat (10), au moins un conducteur de cathode (13), et des micropointes (2) disposées sur une couche résistive (11) ; ledit conducteur de cathode (13) étant disposé au-dessus de la couche résistive (11), et présentant des ouvertures circulaires (17) au centre de chacune desquelles est disposée une micro-pointe (2). <IMAGE>

IPC 1-7

H01J 1/30; **H01J 9/02**

IPC 8 full level

H01J 9/02 (2006.01); **H01J 1/304** (2006.01); **H01J 29/04** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP US)

H01J 1/3042 (2013.01 - EP US); **H01J 2201/319** (2013.01 - EP US); **H01J 2329/00** (2013.01 - EP US)

Citation (applicant)

US 4940916 A 19900710 - BOREL MICHEL [FR], et al

Citation (search report)

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- [A] EP 0316214 A1 19890517 - COMMISSARIAT ENERGIE ATOMIQUE [FR] & US 4940916 A 19900710 - BOREL MICHEL [FR], et al

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0696045 A1 19960207; **EP 0696045 B1 19991013**; DE 69512722 D1 19991118; DE 69512722 T2 20000406; FR 2723471 A1 19960209; FR 2723471 B1 19961031; JP H08111181 A 19960430; US 5808403 A 19980915; US 6104131 A 20000815

DOCDB simple family (application)

EP 95410079 A 19950802; DE 69512722 T 19950802; FR 9409925 A 19940805; JP 21827395 A 19950804; US 51126195 A 19950804; US 95178097 A 19971016