

Title (en)

Method of manufacturing a cathode of a microtip fluorescent display and its product

Title (de)

Verfahren zur Herstellung einer Kathode eines Mikrospitzen-Fluoreszenzbildschirms und daraus resultierendes Produkt

Title (fr)

Procédé de fabrication de cathode d'écran fluorescent à micropointes et produit obtenu

Publication

EP 0668604 B1 19970625 (FR)

Application

EP 95410012 A 19950220

Priority

FR 9402291 A 19940222

Abstract (en)

[origin: EP0668604A1] The field emitter micro-dot cathode mfr. involves etching the three upper layers forming the gate (6), an insulator (5) and a cathode resistive layer (3) together, according to a single pattern defining the gate rows and the cathode micro-point resistances. There are cathode conductors (2) formed in a column network on a support substrate. The resistive layer carries the cathode emitters. Pref. the cathode conductors are formed in a first masking step, and emitter holes are formed in deposited cathode resistive, insulator and gate conductor layers in a second masking step.

IPC 1-7

H01J 9/02; **H01J 31/12**

IPC 8 full level

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

CPC (source: EP US)

H01J 9/025 (2013.01 - EP US); **H01J 31/127** (2013.01 - EP US); **H01J 2201/319** (2013.01 - EP US)

Cited by

EP0987729A1; FR2783633A1; FR2756969A1; US6133690A; WO9825291A1

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EP 0668604 A1 19950823; **EP 0668604 B1 19970625**; DE 69500372 D1 19970731; DE 69500372 T2 19971009; FR 2716571 A1 19950825; FR 2716571 B1 19960503; JP 3616418 B2 20050202; JP H0850852 A 19960220; US 5574333 A 19961112

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