

Title (en)

METHOD OF MANUFACTURING AN IMAGING DEVICE USING FIELD EMISSION CATHODOLUMINESCENCE

Publication

**EP 0234989 B1 19900905 (FR)**

Application

**EP 87400140 A 19870121**

Priority

FR 8601024 A 19860124

Abstract (en)

[origin: US4857161A] A process of producing a display operating by cathodoluminescence excited by field emission, including forming parallel cathodes on a glass substrate, depositing a silica coating on the cathodes, then a conductive coating and then producing a matrix of holes in the conductive coating and silica coating, depositing on the perforated conductive coating a fourth coating not covering the holes and then depositing on the complete structure a coating of an electron emitting material, eliminating the fourth coating so as to expose the microemitters, forming in the conductive coating grids crossing the cathodes and placing above the grids an anode covered by a cathodoluminescent coating.

IPC 1-7

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

IPC 8 full level

**G09F 9/30** (2006.01); **H01J 9/02** (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)

Citation (examination)

EP 0172089 A1 19860219 - COMMISSARIAT ENERGIE ATOMIQUE [FR]

Cited by

EP0712147A1; EP0479425A1; EP0520780A1; US6120674A; EP0572777A1; US5766446A; EP0518612A1; EP0708473A1; FR2726122A1; US5679044A; FR2726689A1; US5836796A; EP0851451A1; FR2757999A1; US5981304A; GB2209432A; US4983878A; GB2209432B; FR2718269A1; EP0689222A3; US5635790A; US6027632A; EP0404022A3; US5160871A; US6007695A; FR2719155A1; EP0316214A1; FR2623013A1; US4940916A; EP0668604A1; FR2716571A1; EP0585081A1; US5442255A; FR2637123A1; US5893967A; EP0712146A1; FR2726688A1; FR2647580A1; EP0350378A1; FR2634059A1; US5127990A; EP0707237A1; WO9733297A1; WO9304496A1; EP0306173B1

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