

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

Designated contracting state (EPC)

CH DE GB IT LI NL

DOCDB simple family (publication)

EP 0234989 A1 19870902; EP 0234989 B1 19900905; DE 3764668 D1 19901011; FR 2593953 A1 19870807; FR 2593953 B1 19880429; JP H07111869 B2 19951129; JP S62172631 A 19870729; US 4857161 A 19890815

DOCDB simple family (application)

EP 87400140 A 19870121; DE 3764668 T 19870121; FR 8601024 A 19860124; JP 1262387 A 19870123; US 115987 A 19870107