

Title (en)

METHOD FOR MAKING FLAT DISPLAY SCREENS AND FLAT SCREENS MADE ACCORDING TO THIS METHOD

Publication

**EP 0155895 B2 19930922 (FR)**

Application

**EP 85430005 A 19850305**

Priority

FR 8403877 A 19840309

Abstract (en)

[origin: US4763187A] A device and method for formation of images with flat video screens by a line- and column-addressed point matrix. Field point matrix uses field emission micro tips as fluorescent screen portions being connected in columns. An electric field is applied between each tip and the fluorescent screen portion corresponding thereto, such that the respective tip emits electrons and a light spot is formed on the video screen, the intensity of which depends upon the applied voltage for attracting electrons. Emission from other tips is blocked by applying a negative voltage to the other columns. Thus, by successive switchings, successive luminous spots are formed on the video screen as desired.

IPC 1-7

**H01J 31/12; H01J 29/52**

IPC 8 full level

**H04N 5/68** (2006.01); **G09F 9/30** (2006.01); **G09F 9/313** (2006.01); **G09G 1/20** (2006.01); **G09G 3/20** (2006.01); **H01J 29/04** (2006.01); **H01J 29/10** (2006.01); **H01J 29/52** (2006.01); **H01J 31/12** (2006.01); **H04N 5/72** (2006.01)

CPC (source: EP US)

**H01J 31/127** (2013.01 - EP US)

Cited by

GB2261766B; FR2604823A1; US5231387A; AU595043B2; EP0349426A1; FR2633765A1; EP0349425A1; FR2633763A1; US5225820A; EP0345148A1; FR2632436A1; US5138308A; WO8801098A1; EP0172089B1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0155895 A1 19850925; EP 0155895 B1 19890614; EP 0155895 B2 19930922**; AT E44114 T1 19890615; DE 3571099 D1 19890720; FR 2561019 A1 19850913; FR 2561019 B1 19870717; JP 2711834 B2 19980210; JP S6123479 A 19860131; US 4763187 A 19880809; US 4763187 B1 19971104

DOCDB simple family (application)

**EP 85430005 A 19850305**; AT 85430005 T 19850305; DE 3571099 T 19850305; FR 8403877 A 19840309; JP 4733185 A 19850308; US 70967185 A 19850308