

Title (en)

Modulated intensity fed display.

Title (de)

Helligkeitsmodulierte Kaltkathodeanzeigevorrichtung.

Title (fr)

Dispositif d'affichage à cathodes froides à intensité modulé.

Publication

EP 0596242 A1 19940511 (EN)

Application

EP 93115475 A 19930924

Priority

US 97019992 A 19921102

Abstract (en)

An image display employing an array of field emission devices (860) each of which, whether individually or in concert with some others of the plurality, provides electron current to an anode (806) having a cathodoluminescent layer (870) and wherein the electron emission is substantially controlled by constant current sources (810, 811, 812, 813) associated therewith and wherein the luminous intensity of selected regions (850, 851, 852, 853, 854) of the cathodoluminescent layer (870) is determined by the duration of the ON state of each controlled current source (810, 811, 812, 813). <IMAGE>

IPC 1-7

H01J 1/30

IPC 8 full level

G09G 3/30 (2006.01); **G09G 3/22** (2006.01); **H01J 1/304** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP)

H01J 1/3042 (2013.01)

Citation (search report)

- [A] WO 9205571 A1 19920402 - MOTOROLA INC [US]
- [A] EP 0376825 A1 19900704 - THOMSON TUBES ELECTRONIQUES [FR]

Cited by

EP0734017A1; EP0665573A1; CN112509895A; US5936597A; CN1097280C; FR2752643A1; US6084341A; EP0686993A1; US5734361A; CN100446159C; EP0688035A1; US6195076B1; US6294876B1; US6169528B1; WO9722133A1; WO9642101A1; WO0049636A1; US6580407B1; US6445367B1

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