

Title (en)  
FLAT PICTURE DISPLAY DEVICE

Publication  
**EP 0329839 A3 19911009 (DE)**

Application  
**EP 88120313 A 19881206**

Priority  
DE 3805858 A 19880225

Abstract (en)  
[origin: JPH01261697A] PURPOSE: To surely reproduce a pure color image by changing a polarization voltage so as to be inversely proportional to specified distance between a deflection device and phosphor coating. CONSTITUTION: Electronic beams are deflected for respective lines in accordance with the magnitude and polarity of the deflection voltage which is supplied to two adjacent conductors. The deflection voltage is corrected by a method where the respective deflection voltages are multiplied by a correction coefficient K from the viewpoint to make sure that the whole electronic beams are made incident on proper phosphor dots. The correction coefficient K is calculated and approximated by formula I. In formula I, R means the radius of curvature of a bent face plate, C is the distance between the deflection device 8 and phosphor coating and (y) is the distance between the center electronic beam 14 and the edge part electronic beam 13. Thus, when the deflection voltage is corrected in this way, the electronic beams are made incident on the phosphor dots of distance being properly equivalent to respective cases so that the pure color picture is normally obtained.

IPC 1-7  
**H04N 9/16**

IPC 8 full level  
**G09G 1/00** (2006.01); **G09G 1/04** (2006.01); **G09G 1/20** (2006.01); **G09G 1/28** (2006.01); **H01J 31/12** (2006.01); **H04N 1/16** (2006.01); **H04N 3/233** (2006.01); **H04N 9/16** (2006.01)

CPC (source: EP US)  
**H01J 31/126** (2013.01 - EP US)

Citation (search report)  
• [A] EP 0205906 A1 19861230 - MATSUSHITA ELECTRIC IND CO LTD [JP]  
• [A] PATENT ABSTRACTS OF JAPAN, Band 7, Nr. 236 (E-205)[1381], 20. Oktober 1983; & JP-A-58 126 652 (MATSUSHITA) 28-07-1983  
• [A] IBM TECHNICAL DISCLOSURE BULLETIN, Band 5, Nr. 10, März 1983, Seiten 44-47, New York, US; A.C. KOELSCH: "CRT pin cushioning correction circuit"

Designated contracting state (EPC)  
DE FR IT NL

DOCDB simple family (publication)  
**EP 0329839 A2 19890830; EP 0329839 A3 19911009; EP 0329839 B1 19940413**; DE 3805858 A1 19890907; DE 3889102 D1 19940519; JP H01261697 A 19891018; JP H065477 B2 19940119; US 4928041 A 19900522

DOCDB simple family (application)  
**EP 88120313 A 19881206**; DE 3805858 A 19880225; DE 3889102 T 19881206; JP 4502489 A 19890223; US 30698589 A 19890206