

Title (en)
Flat picture display device.

Title (de)
Flache Bildwiedergabevorrichtung.

Title (fr)
Dispositif de restitution d'image plat.

Publication
EP 0329839 B1 19940413 (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; H04N 3/233; H01J 31/12

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)

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