

Title (en)
Flat picture display device.

Title (de)
Flache Bildwiedergabevorrichtung.

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

Publication
EP 0329839 A2 19890830 (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.

Abstract (de)
Die Erfindung bezieht sich auf eine flache Bildwiedergabevorrichtung mit einer nach außen gewölbten oder durch den atmosphärischen Druck nach innen gebogenen Frontscheibe (1), die eine ebene Ablenkanordnung (8) zum Ablenken der Elektronenstrahlen (13, 14) in jeder Zeile aufweist. Um ein farbreines Bild zu erhalten, werden die Ablenkspannungen entsprechend dem jeweiligen Abstand zwischen der Ablenkanordnung (8) und der Frontscheibe (1) so korrigiert, daß die Elektronenstrahlen (13, 14) nur auf den jeweiligen äquidistanten Leuchtstoffpunkten oder -streifen (4) landen. Die Formel zur Berechnung des Korrekturfaktors (K) wird angegeben.

IPC 1-7
H04N 3/233; 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)

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