

Title (en)

Colour display tube comprising an inline electron gun

Title (de)

Farbbildröhre mit In-line-Elektronenstrahlerzeugungssystem

Title (fr)

Tube image couleur muni d'un canon à électrons en ligne

Publication

EP 0487139 B1 19990224 (EN)

Application

EP 91202928 A 19911112

Priority

NL 9002515 A 19901119

Abstract (en)

[origin: EP0487139A1] A colour display tube comprising an in-line electron gun which has a first and a second lens electrode which produce an electron-optical lens field for focusing the electron beams on a display screen of the cathode ray tube, one of said lens electrodes having a correction element (29) for correcting the astigmatism of the lens field, the correction element having three apertures (30,31,32), the outer apertures of which are formed such that, in operation, an electric field having a six-pole component is generated for the outer electron beams in the correction element. As a result thereof, the outer electron beams produce an improved image on the display screen. The six-pole fields generated in the correction element correct the negative effect of six-pole fields occurring in the lens field. In an embodiment, the outer apertures (30,32) are in the shape of a trapezium. <IMAGE>

IPC 1-7

H01J 29/56; **H01J 29/62**

IPC 8 full level

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CPC (source: EP)

H01J 29/566 (2013.01); **H01J 29/628** (2013.01)

Citation (examination)

US 4626738 A 19861202 - GERLACH HANS G [NL]

Cited by

US5710479A; EP0710975A1; EP0624894A1; US5517078A; WO9621939A1

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