

Title (en)

A deflection unit having a distortion correcting coil in a cathode ray tube apparatus

Title (de)

Ablenkeinheit mit Verzerrungskorrekturspule in einer Kathodenstrahlröhre

Title (fr)

Unité de déflexion ayant une bobine de correction de distorsion dans une tube à rayons cathodiques

Publication

EP 0730290 A1 19960904 (EN)

Application

EP 96102999 A 19960228

Priority

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Abstract (en)

A cathode ray tube apparatus is provided with correcting coils that correct distortion caused in an image on a fluorescent screen which is scanned by electron beams deflected by a deflection device. In this cathode ray tube apparatus, correcting coils (33, 34) are disposed near the deflection center in the deflection unit and are formed as low inductance of 1mH or less electrically independent from the deflection unit. Further, the correcting coils (33, 34) are connected to the distortion correcting current source provided independent from a main deflection current supply source that supplies an electric current to main deflection coils (30, 31) in the deflection unit, and generate the almost uniform magnetic field by the electric current supplied from the distortion correcting current supply source. Further, a first inductance element connected to the deflection coils is so magnetically coupled to a second inductance element connected to a correcting coils as to compensate induced electro magnetic force which is produced due to an interlinkage of the deflection magnetic fields. <IMAGE>

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IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [A] US 4703232 A 19871027 - NIEUWENDIJK JORIS A M [NL], et al
- [A] US 3689860 A 19720905 - BAUZHIS ALBERTAS VATSLOVOVICH, et al
- [A] US 5070280 A 19911203 - OKUYAMA NOBUTAKA [JP], et al

Designated contracting state (EPC)

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