

Publication

**EP 0138264 A3 19850612**

Application

**EP 84201404 A 19841003**

Priority

NL 8303423 A 19831006

Abstract (en)

[origin: ES8507291A1] In a color display tube having an electron gun of the "in-line" type for generating three electron beams situated with their axes in one plane, the electron gun includes curved field shapers at the end from which the beams exit into frame and line deflection fields. Each field shaper includes two or more plates of ferromagnetic material aligned along a curve and spaced from each other by slots. The plates are arranged symmetrically with respect to the plane and the central beam axis, and a concave side of each field shaper faces the three beam axes. At least the ends of each field shaper which are most remote from the plane have substantially flat plates extending in the direction of the central electron beam axis. By using such field shapers the losses in the line deflection field are small and substantially undistorted, while a desirable pincushion-shaped distortion of the frame deflection field is intensified.

IPC 1-7

**H01J 29/56**; **H01J 29/50**

IPC 8 full level

**H01J 29/51** (2006.01); **H01J 29/56** (2006.01); **H01J 29/70** (2006.01)

CPC (source: EP KR US)

**H01J 29/51** (2013.01 - KR); **H01J 29/56** (2013.01 - EP US); **H01J 29/707** (2013.01 - EP US)

Citation (search report)

- [A] US 4225804 A 19800930 - BEKAERT JOHAN, et al
- [A] DE 3126344 A1 19830224 - SROWIG REINHARD, et al
- [A] GB 2086130 A 19820506 - MATSUSHITA ELECTRONICS CORP
- [AP] EP 0109717 A1 19840530 - PHILIPS NV [NL]
- [A] RCA TECHNICAL NOTE, Nr. 1300, April 1982, Seiten 1,2, Princeton, N.J., US; P.T. GRENINGER: "Electron gun shunt designs for coma correction"

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0138264 A2 19850424**; **EP 0138264 A3 19850612**; **EP 0138264 B1 19890705**; CA 1218405 A 19870224; DD 232786 A5 19860205; DE 3478886 D1 19890810; ES 536478 A0 19850816; ES 8507291 A1 19850816; JP S6097533 A 19850531; KR 850003473 A 19850617; KR 920000914 B1 19920131; NL 8303423 A 19850501; PL 249935 A1 19850618; US 4625145 A 19861125

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**EP 84201404 A 19841003**; CA 464768 A 19841004; DD 26801384 A 19841004; DE 3478886 T 19841003; ES 536478 A 19841003; JP 20958984 A 19841005; KR 840006153 A 19841005; NL 8303423 A 19831006; PL 24993584 A 19841005; US 65731884 A 19841003