

Title (en)

Deflection unit having a ring with field correction elements, and cathode ray tube provided with said unit

Title (de)

Ablenkeinheit mit einem mit Feldkorrektur-elemente versehenem Ring und Kathodenstrahlröhre mit dieser Einheit

Title (fr)

Unité de déviation muni d'un anneau avec des éléments de correction de champ, et un tube à rayons cathodiques comprenant ladite unité

Publication

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Application

**EP 93203100 A 19931105**

Priority

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- EP 92203476 A 19921112

Abstract (en)

[origin: EP0597533A1] An electromagnetic deflection unit (5) comprising a coil holder (9) with a flange (8) whose inner side supports coils (10a, 10b) for (line) deflection of electron beams. At the flange side of the coil holder (magnetized) preformed elements (14) are arranged within these coils so as to influence the magnetic field of these coils (10a, 10b), thereby reducing spreading errors, caused during manufacture, throughout the display screen. For the purpose of automatic mounting of the preformed elements, an annular support having predetermined locations (in particular from 12 to 36) for accommodating preformed elements is used. The preformed elements (14) are accommodated at a plurality of these predetermined locations and, if made of a permanent magnetic material, produce magnetic fields having magnetic strengths measured at a distance of some mm above the heart of the elements in the range between 1 and 1000 mu T. In a special embodiment the elements of permanent magnetic material belong to a limited collection as regards their magnetic field strength. <IMAGE>

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