

Title (en)

DEVICE FOR THE DEFLEXION OF ELECTRON BEAMS FOR CATHODE RAY TUBES, WHICH IS SELF-CONVERGENT AND GEOMETRY CORRECTED

Title (de)

SELBSTKONVERGIERENDE UND IN DER GEOMETRIE KORRIGIERTE ELEKTRONENABLENKEINHEIT FÜR KATHODENSTRAHLRÖHREN

Title (fr)

DISPOSITIF DE DEFLEXION DES FAISCEAUX D'ELECTRONS POUR TUBES A RAYONS CATHODIQUES AUTOCONVERGENT ET CORRIGE EN GEOMETRIE

Publication

**EP 0635163 B1 19981216 (FR)**

Application

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Priority

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Abstract (en)

[origin: FR2689679A1] Device for the deflection of electron beams for cathode ray tubes whose horizontal deflection coils are comprised of a main winding (21) and an auxiliary winding (22) situated in front of the main winding and wherein the current circulates in a direction opposite (31) to the direction of circulation of the current (30) in the main winding. This type of deflection device allows, locally, to amplify the harmonic of rank 2 of the field created by the winding and to decrease the amplitude of the harmonic of rank 4. Thus, the deflection device of the invention will be corrected in geometry North/South while preserving the convergence of the beams throughout the surface of the screen. Said device is particularly adapted to tubes whose image screen has a pronounced radius of curvature.

IPC 1-7

**H01J 29/76**; **H04N 9/28**

IPC 8 full level

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