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(54) Title: DEFLECTION YOKE FOR A CATHODE-RAY TUBE WITH BOTH IMPROVED GEOMETRY AND CONVERGENCE

(57) Abstract

A deflection yoke mounted on a neck of a cathode-ray tube includes a pair of horizontal deflection coils, a pair of vertical deflection coils and a core (20) of a ferromagnetic material. The core has magnetic reluctance, in a front region, close to a screen end of the tube, that is greater along the vertical direction than along the horizontal direction. In one embodiment of the invention this feature is achieved by making recesses (24) at the intersection of a flared front part (21) of the core with the horizontal plane of symmetry XZ. In another embodiment of the invention, the thickness (e) of the core varies.

